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OY 241 AAGTGGCCAGCGGATTCCTGTATGTCTGTCCGAGGGGAGAGCTGACCTTCACC 300
DB 241 AAGTGGCCAGCGGATTCCTGTATGTCTGTCCGAGGGGAGAGCTGACCTTCACC 300
OY 301 TGCAGGCTCTTGGGCGCTGTGACAAAGGGGACAGATGTGACCTTTACAAAGCGGTGAC 360
DB 301 TGCAGGCTCTTGGGCGCTGTGACAAAGGGGACAGATGTGACCTTTACAAAGCGGTGAC 360
OY 361 CGCAGCTGAGGGGGGAGGTGAGACTGTCTGAGAGCGCGGGCCACTCGACACTTCAG 420
DB 361 CGCAGCTGAGGGGGGAGGTGAGACTGTCTGAGAGCGCGGGCCACTCGACACTTCAG 420
OY 421 TTCCAGGACCTTCACTGACACCATGAGAGGACCAAGGCTGCCAACACCAACGACCTG 480
DB 421 TTCCAGGACCTTCACTGACACCATGAGAGGACCAAGGCTGCCAACACCAACGACCTG 480
OY 481 GCTAGCGCCCAAGGGCTGAGAGTGGGCTTCGACCAACATGAGCACTTTCATCAGCATG 540
DB 481 GCTAGCGCCCAAGGGCTGAGAGTGGGCTTCGACCAACATGAGCACTTTCATCAGCATG 540
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DB 541 CGCAACTGACCGCTGCTGATGAGCGGCTCTACTGCTGCTGTGTGAGATCAGGAC 600
OY 601 CACCACTCGAGCAGAGGCTCCATGATGATGAGCTGAGCTGAGCAGACAGGCAAGAT 660
DB 601 CACCACTCGAGCAGAGGCTCCATGATGATGAGCTGAGCTGAGCAGACAGGCAAGAT 660
OY 661 GCAACATCAACTGTGTGTGTGATCCCACTCTCTCCAGAGATGAGAAACATCAGGCT 720
DB 661 GCAACATCAACTGTGTGTGTGATCCCACTCTCTCCAGAGATGAGAAACATCAGGCT 720
OY 721 GCAGGCTGTGCTGAGCGGCTGCTGATGATGAGATCTCTGCTGCTGCTGCTGCTGCT 780
DB 721 GCAGGCTGTGCTGAGCGGCTGCTGATGATGAGATCTCTGCTGCTGCTGCTGCTGCT 780
OY 781 CTGGCTCTCAAGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 840
DB 781 CTGGCTCTCAAGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 840
OY 841 GACAGCAACTTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 900
DB 841 GACAGCAACTTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 900
OY 901 ATACCGAGGCGCAAGTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 960
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OY 961 TCTGGGCGGCACTCTCTTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1020
DB 961 TCTGGGCGGCACTCTCTTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1020
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DB 1021 GCTCTTCTTCCATCTCTGAGACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
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DB 1081 AGCTGGGGGAGAGTGGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1140
OY 1141 GGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
DB 1141 GGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
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DB 1201 GATTACTGTGATCACTCCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1260
OY 1261 TGGAGCGGCTCAGCGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1320
DB 1261 TGGAGCGGCTCAGCGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1320
OY 1321 GAAATTCACCAAGTACAGATGCCAAATGACTTACATCTTAAGAGTCTCAGAACTGCCAG 1380

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DB 1321 GAAATTCACCAAGTACAGATGCCAAATGACTTACATCTTAAGAGTCTCAGAACTGCCAG 1380
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DB 1381 CCTTCAGCAGACTCTCGTCTGAGACATGAGGCTTGGAGTGTGGAGCATCAGTGGAGCA 1440
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DB 1441 AGATGACACTGGGCGCACCTCTCCAGGACACAGACAGAGGAGCAAGGTGAGAGACTTCTC 1500
OY 1501 CCCCGTGGCGGCTTGGCTCTCCCGTGTTCGCGGAGGCTGCTCTTCTGTGAGACTTCTC 1560
DB 1501 CCCCGTGGCGGCTTGGCTCTCCCGTGTTCGCGGAGGCTGCTCTTCTGTGAGACTTCTC 1560
OY 1561 TTGTGACACAGTGGCTCTGAGGAGCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620
DB 1561 TTGTGACACAGTGGCTCTGAGGAGCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620
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DB 1621 CAGCTGCTCTTACAGCAGATTTCTGAGAGATCTGTCAACAGATTAACTCAATCTGGGG 1680
OY 1681 CTTCACATGCTGCTGATTCAGATCCCAAGAGCTTGTGTGTGTGTGTGTGTGTGTGTGTGT 1740
DB 1681 CTTCACATGCTGCTGATTCAGATCCCAAGAGCTTGTGTGTGTGTGTGTGTGTGTGTGTGT 1740
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DB 1741 TGGGGCATGGTGGCTCCGTGAGCAAAATGATCTTGGGCAATCTGAGGCAAGAT 1800
OY 1801 GTTGGCCCGACCACTGAGAGATGTGTGAGGAGGAGTGTGGGCTTCTGGAGAGGTGA 1860
DB 1801 GTTGGCCCGACCACTGAGAGATGTGTGAGGAGGAGTGTGGGCTTCTGGAGAGGTGA 1860
OY 1861 GTGAGAGGGGAGCAGTCCCGGCGGCGGCTCCCACTCCCTGCTGCTGCTGCTGCTGCTGCT 1920
DB 1861 GTGAGAGGGGAGCAGTCCCGGCGGCGGCTCCCACTCCCTGCTGCTGCTGCTGCTGCTGCT 1920
OY 1921 CCATTGCAAGGGTGCACACAAATGTCTGTGCAACCTGAGGACATTTGAGTATGAAGCG 1980
DB 1921 CCATTGCAAGGGTGCACACAAATGTCTGTGCAACCTGAGGACATTTGAGTATGAAGCG 1980
OY 1981 GGATGCTATTAAAACTACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2040
DB 1981 GGATGCTATTAAAACTACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2040
OY 2041 AAGA 2044
DB 2041 AAGA 2044

RESULT 3
ABL88170
ID ABL88170 standard; cDNA; 2044 BP.
ABL88170;
16-MAY-2002 (first entry)

Human PRO1412 cDNA sequence SEQ ID NO:197.
XX Human; angiogenesis; cardiant; cytoskeletal; antiangiogenic; hypotensive;
XX Human; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
XX gene therapy; cardiovascular disorder; endothelial disorder; cancer;
XX angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
XX age-related macular degeneration; arterial restenosis; angina;
XX rheumatoid arthritis; myocardial infarction; thrombophlebitis;
XX lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
XX wound healing; chromosome mapping; gene mapping; gene; ss.
OS Homo sapiens.
XX

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PR	29-SEP-1996;	98US-0102207
PR	29-SEP-1996;	98US-0102240
PR	29-SEP-1996;	98US-0102307
PR	29-SEP-1996;	98US-0102330
PR	30-SEP-1996;	98US-0102331
PR	30-SEP-1996;	98US-0102484
PR	30-SEP-1996;	98US-0102487
PR	30-SEP-1996;	98US-0102570
PR	30-SEP-1996;	98US-0102571
PR	01-OCT-1996;	98US-0102684
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PR	02-OCT-1996;	98US-0102965
PR	06-OCT-1996;	98US-0103258
PR	06-OCT-1996;	98US-0103258
PR	07-OCT-1996;	98US-0103349
PR	07-OCT-1996;	98US-0103314
PR	07-OCT-1996;	98US-0103315
PR	07-OCT-1996;	98US-0103328
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PR	21-OCT-1996;	98US-0105104
PR	22-OCT-1996;	98US-0105169
PR	22-OCT-1996;	98US-0105266
PR	22-OCT-1996;	98US-0105693
PR	26-OCT-1996;	98US-0105694
PR	27-OCT-1996;	98US-0105607
PR	27-OCT-1996;	98US-0105861
PR	27-OCT-1996;	98US-0105862
PR	27-OCT-1996;	98US-0106662
PR	28-OCT-1996;	98US-0106623
PR	28-OCT-1996;	98US-0106629
PR	28-OCT-1996;	98US-0106630
PR	28-OCT-1996;	98US-0106632
PR	28-OCT-1996;	98US-0106633
PR	28-OCT-1996;	98US-0106178
PR	29-OCT-1996;	98US-0106248
PR	29-OCT-1996;	98US-0106384
PR	29-OCT-1996;	98US-0106500
PR	30-OCT-1996;	98US-0106564
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PR	03-NOV-1996;	98US-0106634
PR	10-NOV-1996;	98US-0107783
PR	17-NOV-1996;	98US-0108175
PR	17-NOV-1996;	98US-0108779
PR	17-NOV-1996;	98US-0108787
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PR	17-NOV-1996;	98US-0108802
PR	17-NOV-1996;	98US-0108806
PR	17-NOV-1996;	98US-0108807
PR	17-NOV-1996;	98US-0108867
PR	17-NOV-1996;	98US-0108925
PR	18-NOV-1996;	98US-0108848
PR	18-NOV-1996;	98US-0108849
PR	18-NOV-1996;	98US-0108850
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PR	18-NOV-1996;	98US-0108852
PR	18-NOV-1996;	98US-0108858
PR	18-NOV-1996;	98US-0108904
XX	(GETH) GENENTECH INC.	

[illegible]


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Db      ||||| 661 GCACCATCACTGCTGTGTGTACCATCTCTCCAGATGAGAAACATCAAGCT 720
Qy      ||||| 721 GCAGCCCTGAGTGAAGGCTGATGTAAGAAATCCTGTGCTCTCCCTCATCTGCTC 780
Db      ||||| 721 GCAGCCCTGAGTGAAGGCTGATGTAAGAAATCCTGTGCTCTCCCTCATCTGCTC 780
Qy      ||||| 781 CTGCTTCAACAAGCAAGGCAAGGCAAGCTTCAACCGCGCTGCGCAGAGCTGTGCGAATG 840
Db      ||||| 781 CTGCTTCAACAAGCAAGGCAAGGCAAGCTTCAACCGCGCTGCGCAGAGCTGTGCGAATG 840
Qy      ||||| 841 GACGCAACATTCAAGGATTTGAAAAACCCCGCTTTGAAGCTCAACCTGCGCAGAGG 900
Db      ||||| 841 GACGCAACATTCAAGGATTTGAAAAACCCCGCTTTGAAGCTCAACCTGCGCAGAGG 900
Qy      ||||| 901 ATACCCGAGGCGAAGTCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 960
Db      ||||| 901 ATACCCGAGGCGAAGTCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAGGCAAG 960
Qy      ||||| 961 TCTGAGCGGCAATCTGCTTTCGAGCGCAGCAACCCCTGCTCTCTCAAGCGCGAGAC 1020
Db      ||||| 961 TCTGAGCGGCAATCTGCTTTCGAGCGCAGCAACCCCTGCTCTCTCAAGCGCGAGAC 1020
Qy      ||||| 1021 GTCTTCTTCCATCTCTGAGACCTCTGTCTCTCACTCTCAAACTTTGAGCTCATAGCC 1080
Db      ||||| 1021 GTCTTCTTCCATCTCTGAGACCTCTGTCTCTCACTCTCAAACTTTGAGCTCATAGCC 1080
Qy      ||||| 1081 AGCTGAGGAGCAAGTGGGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
Db      ||||| 1081 AGCTGAGGAGCAAGTGGGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
Qy      ||||| 1141 GAGCTGTGAGTGGGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Db      ||||| 1141 GAGCTGTGAGTGGGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Qy      ||||| 1201 GATGCTGTGACATCCAGAAAGCCAGCCCTCTCAACCCCTCTGAGATGCTAAGTGGAGATG 1260
Db      ||||| 1201 GATGCTGTGACATCCAGAAAGCCAGCCCTCTCAACCCCTCTGAGATGCTAAGTGGAGATG 1260
Qy      ||||| 1261 TGGAGCGGCTCAAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
Db      ||||| 1261 TGGAGCGGCTCAAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
Qy      ||||| 1321 GAAATTTCAACAGCTTCAAGATGCAATGCTTACATCTTAAAGATCTTCAAGATCTTCAAG 1380
Db      ||||| 1321 GAAATTTCAACAGCTTCAAGATGCAATGCTTACATCTTAAAGATCTTCAAGATCTTCAAG 1380
Qy      ||||| 1381 CCCTTCAAGAGCTCTGCTTCTGAGATGAGCTTGGAGTGGAGATGAGATGAGATGAGATG 1440
Db      ||||| 1381 CCCTTCAAGAGCTCTGCTTCTGAGATGAGCTTGGAGTGGAGATGAGATGAGATGAGATG 1440
Qy      ||||| 1441 AGATGAGCACTGGGCAAGCTTCCAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1500
Db      ||||| 1441 AGATGAGCACTGGGCAAGCTTCCAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1500
Qy      ||||| 1501 CCCCGTGGCGGCTTGGCTCTCCCGCTTTTGGCCGAGGCTGCTCTTCTGCAAGCTTCTCTC 1560
Db      ||||| 1501 CCCCGTGGCGGCTTGGCTCTCCCGCTTTTGGCCGAGGCTGCTCTTCTGCAAGCTTCTCTC 1560
Qy      ||||| 1561 TTTTGAACAAGTGTCTGAGGAGCAAGGCTTGGAGATGCTGCAAGGATTAAGTCAATCTGGAG 1620
Db      ||||| 1561 TTTTGAACAAGTGTCTGAGGAGCAAGGCTTGGAGATGCTGCAAGGATTAAGTCAATCTGGAG 1620
Qy      ||||| 1621 GAGCTGCTTCAACAAGGATTTCTGAGAGATCTTCAAGGATTAAGTCAATCTGGAG 1680
Db      ||||| 1621 GAGCTGCTTCAACAAGGATTTCTGAGAGATCTTCAAGGATTAAGTCAATCTGGAG 1680
Qy      ||||| 1681 CTTCACCTGCTGCTTCAAGGATTTCTGAGAGATCTTCAAGGATTAAGTCAATCTGGAG 1740
Db      ||||| 1681 CTTCACCTGCTGCTTCAAGGATTTCTGAGAGATCTTCAAGGATTAAGTCAATCTGGAG 1740
Qy      ||||| 1741 TGGGCAATGCTGCTCTCTGAGCAAAATGCTGCTTGGGCAATCTGAGGCAAGCAAT 1800

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Db      ||||| 1741 TGGGCAATGCTGCTCTCTGAGCAAAATGCTGCTTGGGCAATCTGAGGCAAGCAAT 1800
Qy      ||||| 1801 GTTCCCAACCACTGAGAGTGTCTGAGAGAGTGTGGGCTTCTGGAGAGTGA 1860
Db      ||||| 1801 GTTCCCAACCACTGAGAGTGTCTGAGAGAGTGTGGGCTTCTGGAGAGTGA 1860
Qy      ||||| 1861 GTGAGAGGAGGCACTGCGCCCGCTCTCCCTCACTCTCTCACTGCTGAGCGCGG 1920
Db      ||||| 1861 GTGAGAGGAGGCACTGCGCCCGCTCTCCCTCACTCTCTCACTGCTGAGCGCGG 1920
Qy      ||||| 1921 CCATTGCAAGGAGGCAACCAATGCTGCTGCAAGCTTGGGCACTTCTGAGTGAAGCG 1980
Db      ||||| 1921 CCATTGCAAGGAGGCAACCAATGCTGCTGCAAGCTTGGGCACTTCTGAGTGAAGCG 1980
Qy      ||||| 1981 GATGCTATTAAATACTAATGAGGAAAAA 2040
Db      ||||| 1981 GATGCTATTAAATACTAATGAGGAAAAA 2040
Qy      ||||| 2041 A 2041
Db      ||||| 2041 A 2041

RESULT 5
ABK3622
ID ABK3622 standard; cDNA; 2043 BP.
XX ABK3622;
AC 08-MAY-2002 (first entry)
XX
D7 08-MAY-2002 (first entry)
XX
DE cDNA encoding human PRO protein, Seg ID No 173.
XX
KW Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW breast cancer; prostate tumour; rectal tumour; liver tumour;
KW pericyte cell proliferation; chondrocyte cell proliferation;
KW tumour necrosis factor-alpha; gene; ss.
XX
OS Homo sapiens.
XX
PN M0200208288-A2.
PD 31-JAN-2002.
XX
PF 29-JUN-2001; 2001MO-US21066.
XX
PR 20-JUL-2000; 2000US-219556P.
PR 25-JUL-2000; 2000US-220585P.
PR 25-JUL-2000; 2000US-220605P.
PR 25-JUL-2000; 2000US-220607P.
PR 25-JUL-2000; 2000US-220624P.
PR 25-JUL-2000; 2000US-220638P.
PR 25-JUL-2000; 2000US-220664P.
PR 25-JUL-2000; 2000US-220666P.
PR 26-JUL-2000; 2000US-220893P.
PR 28-JUL-2000; 2000MO-US20710.
PR 28-AUG-2000; 2000MO-US23522.
PR 24-AUG-2000; 2000MO-US23328.
PR 15-SEP-2000; 2000US-000000P.
PR 10-NOV-2000; 2000MO-US30873.
PR 28-NOV-2000; 2000US-253646P.
PR 01-DEC-2000; 2000MO-US32678.
PR 20-DEC-2000; 2000US-0747259.
PR 20-DEC-2000; 2000MO-US34956.
PR 28-FEB-2001; 2001MO-US06520.
PR 10-MAY-2001; 2001US-0854280.
PR 25-MAY-2001; 2001MO-US17092.
XX
XX (GETH ) GENENTECH INC.
XX Baker KP, Desnoyers L, Gerlitsen ME, Goddard A, Godowski PJ;
XX Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WT;

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QY	615	CAGGGTCATGGTGTGCATGAGAGCTCAGAGTGCAGACAGGCAAAAGATGCAACCATCCACATG	674
Db	601	CAGGGTCATGGTGTGCATGAGAGCTCAGAGTGCAGACAGGCAAAAGATGCAACCATCCACATG	660
QY	675	TGTGTGTATACCATCTCTCTCCAGAGATATAGTAAAAACATCAAGGCTGCAGGCTCTGGCTTAC	734
Db	661	TGTGTGTATACCATCTCTCTCCAGAGAGTGAATAAACATCAAGGCTGCAGGCTCTGGCTTAC	720
QY	735	GGGTGTCCCTGCATCTGTAGGAATCTCTTGCTCTCCCTCATCTGTCTCTGTGTACAGCA	794
Db	721	GGGTGTCCCTGCATCTGTAGGAATCTCTTGCTCTCCCTCATCTGTCTCTGTGTACAGCA	780
QY	795	AAGGACAGCAGCTCCAAACCGCGAGGCCAAGAGAGCTGTGTGGAGATGACAGCAATCTTCA	854
Db	781	AAGGACAGCAGCTCCAAACCGCGAGGCCAAGAGAGCTGTGTGGAGATGACAGCAATCTTCA	840
QY	855	AAGGATTTAAAAACCCCGGCTTTTGAAGAGCTTCACCATCTGCCAGGGAGATATACCGAGGCCAA	914
Db	841	AAGGATTTAAAAACCCCGGCTTTTGAAGAGCTTCACCATCTGCCAGGGAGATATACCGAGGCCAA	900
QY	915	AGTCAGGACCCCTCTGTCTATGTGAGCCCAAGGAGAGCTTCTGAGTCTGTGGAGCATCT	974
Db	901	AGTCAGGACCCCTCTGTCTATGTGAGCCCAAGGAGAGCTTCTGAGTCTGTGGAGCATCT	960
QY	975	GCTTTCCGAGGCCACAGACCCCTGTCTCTCTCCAGGCCCCGAGAGAGCTTCTTCTCCATC	1034
Db	961	GCTTTCCGAGGCCACAGACCCCTGTCTCTCTCCAGGCCCCGAGAGAGCTTCTTCTCCATC	1020
QY	1035	CCTGGAGCCCTGTCCCTGTACTCTCCAAACTTTAGAGTCAATCTTAGCCAGCTGGAGGAGCAGT	1094
Db	1021	CCTGGAGCCCTGTCCCTGTACTCTCCAAACTTTAGAGTCAATCTTAGCCAGCTGGAGGAGCAGT	1080
QY	1095	GAGGCTGT	1154
Db	1081	GAGGCTGT	1140
QY	1155	CCTCTTGTGGCTCTGGGCTCTGGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1214
Db	1141	CCTCTTGTGGCTCTGGGCTCTGGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1200
QY	1215	CCAGAGGCCAGGCCCTCAACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1274
Db	1201	CCAGAGGCCAGGCCCTCAACCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1260
QY	1275	CCTGTCTCAAGAGATTTTGGGGGTCTGAGATTTCTCCCTTAGAGACTTGAAATTCACAGCT	1334
Db	1261	CCTGTCTCAAGAGATTTTGGGGGTCTGAGATTTCTCCCTTAGAGACTTGAAATTCACAGCT	1320
QY	1335	ACAGATGCCAATATGACTTATCATCTTTAGAAAGTCTAGAAAGCTGCAGGCCCTTCAGCAGCTC	1394
Db	1321	ACAGATGCCAATATGACTTATCATCTTTAGAAAGTCTAGAAAGCTGCAGGCCCTTCAGCAGCTC	1380
QY	1395	TGCTTTCTAGAGATATGAGCTTTGGAGATGTGTGCAGCATCACTGTGGAGCAAAATGACACTGGG	1454
Db	1381	TGCTTTCTAGAGATATGAGCTTTGGAGATGTGTGCAGCATCACTGTGGAGCAAAATGACACTGGG	1440
QY	1455	CCACCCCTCCAGGACACAGACACAGAGGACCGGTGAGAGACTTTCCTCCCGGAGGCGGCT	1514
Db	1441	CCACCCCTCCAGGACACAGACACAGAGGACCGGTGAGAGACTTTCCTCCCGGAGGCGGCT	1500
QY	1515	TGGCTCCCCCGTTTGGCCCGAGGCTCTTCTGTCAAGCTTCTCTTGTATACACAGTG	1574
Db	1501	TGGCTCCCCCGTTTGGCCCGAGGCTCTTCTGTCAAGCTTCTCTTGTATACACAGTG	1560
QY	1575	GCTCTGGAGGCCAGGCTGTGCTGTGCCACTGTGGCATGTGCCACTTTCCTCCAGCTGTCTTAC	1634
Db	1561	GCTCTGGAGGCCAGGCTGTGCTGTGCCACTGTGGCATGTGCCACTTTCCTCCAGCTGTCTTAC	1620
QY	1635	CAGCAGTTTCTCTGAAGATCTGTCAACAGTTAATCAATCTGTGGGGTCTTCCAGCTGCCTGC	1694
Db	1621	CAGCAGTTTCTCTGAAGATCTGTCAACAGTTAATCAATCTGTGGGGTCTTCCAGCTGCCTGC	1680

Oy		1695	ATTCCAGTCCC	CACAGCTTGATGTC	CCCGAAAGGAAGA	GATCATATTGGGCATGTGGC	1754
Dd		1681	ATTCCAGTCCC	CACAGCTTGATGTC	CCCGAAGGGAAGTA	TATTTGGGCATGTGGC	1740
Oy		1755	CTCCGTGAGCA	AATGTGTCTTGGGCA	ACTGAGGCCAGGA	CAGATGTTGCCACCAC	1814
Dd		1741	CTCCGTGAGCA	AAATGTGTCTTGGGCA	ACTGAGGCCAGGA	CAGATGTTGCCACCAC	1800
Oy		1801	TGGAGATGTGT	CTGAGGGAAGTGGG	CTTCTGGGAAGGT	GATGTGAGAGAGGCTAC	1874
Dd		1875	CTGACCCCCC	CGCCCTCCCATCCCT	ACTCCCACTGCT	CAGCGCGGGCCATTGCAAGGCTG	1934
Oy		1861	CTGACCCCCC	CGCCCTCCCATCCCT	ACTCCCACTGCT	CAGCGCGGGCCATTGCAAGGCTG	1920
Dd		1935	CCACAACAATG	TCCTGTCCACTCTGG	GAACACTTCTGAT	TATGAAAGCGGAGTCTATTAAA	1994
Oy		1921	CCACAACAATG	TCCTGTCCACTCTGG	GAACACTTCTGAT	TATGAAAGCGGAGTCTATTAAA	1980
Dd		1995	ACTCATGATGG	AAAAAATAAAAAAAAA	AAAAA	2025	
Oy		1981	ACTCATGATGG	AAAAAATAAAAAAAAA	AAAAA	2011	
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RESULT 7							
ID	ABX34032	standard; cDNA; 2498 BP.					
ID	ABX34032						
XX	ABX34032;						
AC							
XX							
DT	10-FEB-2003	(first entry)					
XX							
DE	Human cancer suppressing protein PPT8276.						
XX							
KW	Human; gene; ss; cancer suppressing protein; cancer.						
XX							
OS	Homo sapiens.						
XX							
PN	CN1351081-A.						
PD							
PD	29-MAY-2002.						
Pf	31-OCT-2000; 2000CN-0127102.						
PR	31-OCT-2000; 2000CN-0127102.						
PA	(SHAN-) SHANGHAI INST ONCOLOGY.						
PI							
Pl	Gu J;						
XX							
DR	WPI; 2002-609437/66.						
DR	P-PSDB; ABU11286.						
XX							
PT	New human protein with cancer cell growth suppressing function and a polynucleotide encoding it, for treating diseases, such as, cancer -						
PT							
XX							
PS	Claim 5; Page 31-33 (disclosure); 39pp; Chinese.						
XX							
CC	This invention relates to the cDNA and protein sequences of a novel human protein with cancer suppressing function. The invention also comprises a method for preparing the polypeptide by recombination,						
CC	and an application of the polypeptide in treating diseases such as cancer, etc. Also disclosed in an antagonist of the polypeptide and its medical action. The present sequence represents a cDNA encoding a cancer suppressing protein of the invention.						
CC							
SQ	Sequence 2498 BP; 593 A; 798 C; 597 G; 510 T; 0 other;						
<hr/>							
Query Match	94.7%; Score 1935.2; DB 24; Length 2498;						
Best Local Similarity	98.8%; Pred. No. 0;						
Matches 1949; Conservative	0; Mismatches 23; Indels 0; Gaps 0;						

XX Parkinson's disease; fertility; immune response; thrombosis; ss.
 XX Homo sapiens.
 XX Key Location/Qualifiers
 XX FH CDS 82.1017
 XX FT CDS /*tag= a
 XX FT /product= "hydrophobic protein"
 XX WO200104297-A2.
 XX PD 18-JAN-2001.
 XX PF 16-JUN-2000; 2000WO-0F03942.
 XX PR 08-JUL-1999; 99JP-0194359.
 XX PA (SAGA) SAGAMI CHEM RES CENT.
 XX PA (PROT-) PROTEGENE INC.
 XX PI Kato S, Kimura T;
 XX DR MPI: 2001-103081/11.
 XX DR P-PSDB; AAB31676.
 XX PT Isolated human proteins and polynucleotides are used in research and
 XX PT have activities including cell proliferation/differentiation activity,
 XX PT immune stimulating activity and receptor/ligand activity -
 XX PS Claim 4; Page 144-147; 151pp; English.
 XX
 XX The present sequence encodes a human protein with hydrophobic domains.
 XX CC AAF5166 represents a shorter version of the present sequence. The
 XX CC protein possesses a hydrophobic domain and so is a secretory protein
 XX CC or a membrane protein. The protein is used as an antigen to prepare
 XX CC antibodies. The polynucleotide sequence is useful as a source of probes
 XX CC for genetic diagnosis. It is also useful for producing the protein
 XX CC in large quantities and for gene therapy. The eukaryotic cells are used
 XX CC for detecting the receptors or ligands corresponding to the protein and
 XX CC for detecting small novel pharmaceuticals. The antibodies are also used
 XX CC for detection, quantification and purification of the proteins. Both the
 XX CC protein and polynucleotide may be used in research or as nutritional
 XX CC sources or supplements. The protein may have cytokine and cell
 XX CC proliferation/differentiation activity, immune stimulating or suppressing
 XX CC activity, hematopoiesis regulating activity, tissue growth activity,
 XX CC activin/inhibin activity, chemotactic/chemokinetic activity, hemostatic
 XX CC and thrombolytic activity, receptor/ligand activity, anti-inflammatory
 XX CC activity and tumour inhibition activity. It may therefore be used to
 XX CC treat immune deficiencies resulting from autoimmune disorders or
 XX CC infectious diseases, cancer, sepsis, anaemia, burns and ulcers,
 XX CC periodontal disease, Parkinson's disease, induce fertility, improve
 XX CC immune response and enhance coagulation or inhibit thrombosis.
 XX
 XX Sequence 1930 BP; 356 A; 647 C; 546 G; 381 T; 0 other;
 XX
 XX Query Match 92.4%; Score 1889.6; DB 22; Length 1930;
 XX Best Local Similarity 98.7%; Pred. No. 0;
 XX Matches 1924; Conservative 0; Mismatches 4; Indels 22; Gaps 1;

Db 181 AAGTGGCCACGCGGTATTCCTGTATGTCTGTCCGAGGGCAGAACTCACCCTCACC 240
 Qy 301 TGCAGGCTCTTGGGCGCTGTGTGACAAAGGGCAGATGTGACCTTCTACAAAGCTGTAC 360
 Db 241 TGCAGGCTCTTGGGCGCTGTGTGACAAAGGGCAGATGTGACCTTCTACAAAGCTGTAC 300
 Qy 361 GCGAGCTGAGGGGCGAGGTGTGACCTGTCTGAGAGCGCGGCCCATCCGCAACTCAGC 420
 Db 301 CCGAGCTGAGGGGCGAGGTGTGACCTGTCTGAGAGCGCGGCCCATCCGCAACTCAGC 360
 Qy 421 TTCCAGAGCTTCACTGACCAATGAGAGGCCACGAGCTGTCCCAACACGACCACTG 480
 Db 361 TTCCAGAGCTTCACTGACCAATGAGAGGCCACGAGCTGTCCCAACACGACCACTG 420
 Qy 481 GCTCAGGCGCAGGCGCTGAGAGTGGGCTTCCGACACATGAGCACTTCTCCTACACATG 540
 Db 421 GCTCAGGCGCAGGCGCTGAGAGTGGGCTTCCGACACATGAGCACTTCTCCTACACATG 480
 Qy 541 GCGAAGCTGACCTGTGTGATGAGCGGCTCTATCTGTCTGTGTGTGAGATCAGGCAC 600
 Db 481 GCGAAGCTGACCTGTGTGATGAGCGGCTCTATCTGTCTGTGTGTGAGATCAGGCAC 540
 Qy 601 CACCACTGTGAGACAGAGGTCCATGTGTGACCTGTGTGAGAGTGTGACAGGCAAAAT 660
 Db 541 CACCACTGTGAGACAGAGGTCCATGTGTGACCTGTGTGAGAGTGTGACAGGCAAAAT 600
 Qy 661 GCACATCCAACTGTGTGTGATGACCTGTCTCTCCAGAGATGAGAAACATCAGGCT 720
 Db 601 GCACATCCAACTGTGTGTGATGACCTGTCTCTCCAGAGATGAGAAACATCAGGCT 660
 Qy 721 GCGAGCTGTGTGATGAGCGGCTGTGATGAGAAATCTGTGTCTCCCTCATCTGTCTC 780
 Db 661 GCGAGCTGTGTGATGAGCGGCTGTGATGAGAAATCTGTGTCTCCCTCATCTGTCTC 720
 Qy 781 CTGTGTGTGACAAAGGACAGGACCTTCCACCGGCTGTGTGTGAGAGTGTGTGAGT 840
 Db 721 CTGTGTGTGACAAAGGACAGGACCTTCCACCGGCTGTGTGTGAGAGTGTGTGAGT 780
 Qy 841 GACAGCAATCTTCAAGGATGAGAAACCGGCTTGAAGCTTCAACCTGACAGGAG 900
 Db 781 GACAGCAATCTTCAAGGATGAGAAACCGGCTTGAAGCTTCAACCTGACAGGAG 840
 Qy 901 ATACCCGAGGCAAGTGTGAGACCCCTGTGTGTGTGAGCGGACAGCTTGTAG 960
 Db 841 ATACCCGAGGCAAGTGTGAGACCCCTGTGTGTGTGAGCGGACAGCTTGTAG 900
 Qy 961 TTGTGGGCGCATGTGTGTGTGAGAGGACCCCTGTGTGTGTGTGTGTGTGTGTGTGT 1020
 Db 901 TTGTGGGCGCATGTGTGTGTGAGAGGACCCCTGTGTGTGTGTGTGTGTGTGTGTGT 960
 Qy 1021 GTCTCTTCCATCCCTGTGAGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1080
 Db 961 GTCTCTTCCATCCCTGTGAGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1020
 Qy 1081 AGCTGGGAGAGAGT 1140
 Db 1021 AGCTGGGAGAGAGT 1080
 Qy 1141 GGTCTGT 1200
 Db 1081 GGTCTGT 1140
 Qy 1201 GATACGT 1260
 Db 1141 GATACGT 1200
 Qy 1261 TGTGAGGCTGT 1320
 Db 1179 TGTGAGGCTGT 1238
 Qy 1321 GAAATTCACAGCTGT 1380
 Db 1239 GAAATTCACAGCTGT 1298

QY 1381 CCTTCACAGCTCTGTTCTGAGACATGAGCCTTGGAGTGTGGACATGATGGAGCA 1440
 DB 1299 CCTTCACAGCTCTGTTCTGAGACATGAGCCTTGGAGTGTGGAGATGATGGAGCA 1358
 QY 1441 AGATGACACTGGGCGACCTCTCCAGGACCAAGAGGCGACGCTGGAGAGATTTTC 1500
 DB 1359 AGATGACACTGGGCGACCTCTCCAGGACCAAGAGGCGACGCTGGAGAGATTTTC 1418
 QY 1501 CCCCGTGGCGGCTTGGCTCCCGGTTTGGCCGAGGCTGCTTCTGACACTTCC 1560
 DB 1419 CCCCGTGGCGGCTTGGCTCCCGGTTTGGCCGAGGCTGCTTCTGACACTTCC 1478
 QY 1561 TTTGACCAAGTGTCTGAGGCGACGCTGCTCCACATGAGCCTTCC 1620
 DB 1479 TTTGACCAAGTGTCTGAGGCGACGCTGCTCCACATGAGCCTTCC 1538
 QY 1621 CAGTGTCTCTACAGAGATTTCTGTGAAGTCTGTCAAGGTTAAGTCAATCTGGG 1680
 DB 1539 CAGTGTCTCTACAGAGATTTCTGTGAAGTCTGTCAAGGTTAAGTCAATCTGGG 1598
 QY 1681 CTTCACAGCTCTGATTCAGTCCCGAGAGCTTGGTGGTCCGAAACGGAGATCATAT 1740
 DB 1599 CTTCACAGCTCTGATTCAGTCCCGAGAGCTTGGTGGTCCGAAACGGAGATCATAT 1658
 QY 1741 TGGGCGATGTGGCTCCGAGAGCAATGTGTCTTGGGCAATCTGAGGCCAGACAGT 1800
 DB 1659 TGGGCGATGTGGCTCCGAGAGCAATGTGTCTTGGGCAATCTGAGGCCAGACAGT 1718
 QY 1801 GTTGGCCCAACCACTGAGAGTGTGTGTAGGAGAGTGGGCTTCTGGAGAGTGA 1860
 DB 1719 GTTGGCCCAACCACTGAGAGTGTGTGTAGGAGAGTGGGCTTCTGGAGAGTGA 1778
 QY 1861 GTGAGAGGAGGACCTGCCCCGCGCTCCCTCCCTCACTCCACATGCTCAGGCGG 1920
 DB 1779 GTGAGAGGAGGACCTGCCCCGCGCTCCCTCCCTCACTCCACATGCTCAGGCGG 1838
 QY 1921 CCATTGCAAGGGTGCACACAAATGTCTTGTCCACCTTGGAGACATTTGAGTGAAGC 1980
 DB 1839 CCATTGCAAGGGTGCACACAAATGTCTTGTCCACCTTGGAGACATTTGAGTGAAGC 1898
 QY 1981 GGATGCTATTAAAACTAATGGGAAAAA 2010
 DB 1899 GGATGCTATTAAAACTAATGGGAAAAA 1928

RESULT 9
 AAF94473
 ID AAF94473 standard; cDNA; 1556 BP.

AAF94473;
 04-JUN-2001 (first entry)

Human hydrophobic domain containing protein clone HP10727 cDNA #87.
 Human; hydrophobic domain; immunosuppressant; anti-HIV; neuroprotective;
 antianemic; vulnerary; antileuk; osteopathic; anti-inflammatory;
 cytostatic; gene therapy; autoimmune disorder; multiple sclerosis;
 HIV infection; anemia; burn; ulcer; osteoporosis; tumour; wound healing;
 inflammatory bowel disease; nutritional supplement; appetite; vaccine;
 behavioural characteristic; immune response; 88.

OS Homo sapiens.
 PN WO200112660-A2.
 PD 22-FEB-2001.
 PF 10-AUG-2000; 2000MO-JP05356.
 PR 17-AUG-1999; 99JP-0230344.
 PR 07-SEP-1999; 99JP-0252551.

PR 01-OCT-1999; 99JP-0281132.
 PR 22-OCT-1999; 99JP-0301624.
 PR 04-NOV-1999; 99JP-0313877.
 PA (SAGA) SAGAMI CHEM RES CENT.
 PA (PROT-) PROTEGENE INC.
 PI Kato S, Kimura T;
 XX WPI; 2001-160059/16.
 DR P-PSDB; AAB88583.
 PR Human proteins with hydrophobic domains and the DNAs which encode them
 PT are useful for treating autoimmune disorders, burns and tumors and for
 PT screening novel pharmaceuticals -
 PS Claim 4; Page 392-394; 518pp; English.
 CC AAF94417 to AAF94516 encode the human proteins given in AAB88557 to
 CC AAB88606 (I) which have a hydrophobic domain. (I) have immunosuppressant,
 CC anti-HIV, neuroprotective, antianemic, vulnerary, antileuk, and can be
 CC osteopathic, anti-inflammatory and cytostatic activities, and as agents
 CC used in gene therapy. (I) can be used as pharmaceuticals and as agents
 CC to prepare antibodies. DNA and cDNA (II) encoding (I) can be used as
 CC probes for genetic diagnosis and gene sources for gene therapy or for
 CC producing (I) in large quantities. Cells containing (II) are used for
 CC the detection of ligands or receptors corresponding to membrane or
 CC secretory proteins and to screen small molecule novel pharmaceuticals.
 CC Antibodies directed to (I) can be used for the detection, quantification
 CC and purification of (I). Activities of (I) may include cytokine and cell
 CC proliferation/differentiation function, immune stimulating or suppressing
 CC activity, haematopoiesis regulating activity, tissue growth activity,
 CC activin/inhibin activity, chemotactic/chemokinetic activity, hemostatic
 CC and thrombolytic activity, receptor/ligand activity and anti-inflammatory
 CC activity. (I) and (II) can be used to treat autoimmune disorders e.g.
 CC inflammatory scleritis, HIV infections, anaemia, burns, ulcers, osteoporosis,
 CC inflammatory bowel disease and tumours. (I) and (II) can also be used for
 CC wound healing, as nutritional sources or supplements e.g. as amino acid,
 CC carbon or nitrogen source, to effect metabolism, catabolism, anabolism,
 CC processing and utilisation of dietary fat, protein, carbohydrate,
 CC vitamins and minerals, to effect behavioural characteristics, to affect
 CC appetite, and can act as antigens in vaccines to raise an immune response
 CC to the protein or another material cross-reactive with the protein.
 SQ Sequence 1556 BP; 278 A; 521 C; 435 G; 322 T; 0 other;
 Query Match 66.4%; Score 1356.8; DB 22; Length 1556;
 Best Local Similarity 99.5%; Pred. No. 8.4e-272;
 Matches 1561; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
 QY 651 AGGCAAGATGACCATCACTGTGTGTATCCATCTCTCCAGAGTGAAGAA 710
 DB 183 AGGCAAGATGACCATCACTGTGTGTATCCATCTCTCCAGAGAGTGAAGAA 242
 QY 711 CATCAAGGCTGACGCGCTGAGGAGGCTGATGAGTGAAGATCTCTGCTCCCT 770
 DB 243 CATCAAGGCTGACGCGCTGAGGAGGCTGATGAGTGAAGATCTCTGCTCCCT 302
 QY 771 CATCTGTCTCTGTCTCAAGCAAGGAGGAGGCTCAACCGCGCTGCGCAGAGCT 830
 DB 303 CATCTGTCTCTGTCTCAAGCAAGGAGGAGGCTCAACCGCGCTGCGCAGAGCT 362
 QY 831 GGTGCGATGACAGCAACATTCAGAGGATGAAGAACCGCGCTTGAAGCTCACACC 890
 DB 363 GGTGCGATGACAGCAACATTCAGAGGATGAAGAACCGCGCTTGAAGCTCACACC 422
 QY 891 TGGCCAGGAGATACCGGAGGCGCAAGTGAAGACCGCTGTATGTGGCCAGAGCA 950
 DB 423 TGGCCAGGAGATACCGGAGGCGCAAGTGAAGACCGCTGTATGTGGCCAGAGCA 482
 QY 951 GCTTCTGAGTCTGGGCGGAGTGTCTTGGAGGCGCAGACCCCGCTGTCTCTCAAG 1010
 DB 483 GCTTCTGAGTCTGGGCGGAGTGTCTTGGAGGCGCAGACCCCGCTGTCTCTCAAG 542

QY	1011	CCCCGAGACGCTCTTCCCAATCCCTGGACCCCTCCCTGA	CTCTCCAACTTTGAGT	1070
Db	543	CCCCGAGACGCTCTTCCCAATCCCTGGACCCCTCCCTGA	CTCTCCAACTTTGAGT	602
QY	1071	CATTCAGCCACAGCTGGGGGACAGTGGGCTGTGTGGCTGGGCTGGGCAAGTGCATTTG		1130
Db	603	CATTCAGCCACAGCTGGGGGACAGTGGGCTGTGTGGCTGGGCTGGGCAAGTGCATTTG		662
QY	1131	AGCCAGGCTGGCTCTGTGAGTGGCTCTTGAGCTCGAGCTCGAGCTCGTCTCTCCCTCTGC		1190
Db	663	AGCCAGGCTGGCTCTGTGAGTGGCTCTTGAGCTCGAGCTCGAGCTCGTCTCTCCCTCTGC		722
QY	1191	TCGTGGGCTCAGATTCATGTGACATATCCCAAGAGCCAGAGCCCTCAACCCCTCTGATGTCAC		1250
Db	723	TCGTGGGCTCAGATTCATGTGACATATCCCAAGAGCCAGAGCCCTCTCAACCCCTCTGATGTCAC		782
QY	1251	ATGGGAATGTGTGACGGGCTCAGAGCCCTGTCTCCAGAAATTTTGGGGTGTGAGATTTCTCC		1310
Db	783	ATGGGAATGTGTGACGGGCTCAGAGCCCTGTCTCCAGAAATTTTGGGGTGTGAGATTTCTCC		842
QY	1311	CTAGAGACCTGAATTTCAACCAAGCTACATATGCCAAATGACATTTACATCTTAAGAAATCTCA		1370
Db	843	CTAGAGACCTGAATTTCAACCAAGCTACATATGCCAAATGACATTTACATCTTAAGAAATCTCA		902
QY	1371	GAACCTCCAGAGCCCTTCAGCAGGCTCTGTTCTTGACATGATGAGCTTTGGGATGTGGACAGAT		1430
Db	903	GAACCTCCAGAGCCCTTCAGCAGGCTCTGTTCTTGACATGATGAGCTTTGGGATGTGGACAGAT		962
QY	1431	CAGTGGGACAAAGATGACACATGGGCAACCTCTCCAGGACCAAGACACAGAGGACAGGTGGA		1490
Db	963	CAGTGGGACAAAGATGACACATGGGCAACCTCTCCAGGACCAAGACACAGAGGACAGGTGGA		1022
QY	1491	GAGACTTCTCCCGGTGGGCGGCTTTGGTCTCCCGGTTTGGCCAGAGGTGTCTTCTGTCTC		1550
Db	1023	GAGACTTCTCCCGGTGGGCGGCTTTGGTCTCCCGGTTTGGCCAGAGGTGTCTTCTGTCTC		1082
QY	1551	AGACTTCTCTTGTGACCAAGTGGCTCTGGGGGACAGGCTGCTGCTCCCACTGGACATCG		1610
Db	1083	AGACTTCTCTTGTGACCAAGTGGCTCTGGGGGACAGGCTGCTGCTCCCACTGGACATCG		1142
QY	1611	CCACTTCTCCCAAGCTGCTCTCTTCCACAGACATTTCTGTGAGATCTGTCAACAGTTAAGT		1670
Db	1143	CCACTTCTCCCAAGCTGCTCTCTTCCACAGACATTTCTGTGAGATCTGTCAACAGTTAAGT		1202
QY	1671	CAATCTGGGGGCTTCCACTGCTCGCATTCACATGCCCAAGAGCTGTGTGTGTCTCCGAAAGAGG		1730
Db	1203	CAATCTGGGGGCTTCCACTGCTCGCATTCACATGCCCAAGAGCTGTGTGTGTGTCTCCGAAAGAGG		1262
QY	1731	AAGTACATATTTGGGGGACAGTGGCTCCGTGAGCAAAATGTGTCTTGGGCAATCTGAGGC		1790
Db	1263	AAGTACATATTTGGGGGACAGTGGCTCCGTGAGCAAAATGTGTCTTGGGCAATCTGAGGC		1322
QY	1791	CAGACACAGATGTGTGCCCAACCCACCTGAGAGATGTGTGAGGGAAGTGGGTGGGCGCTTCT		1850
Db	1323	CAGACACAGATGTGTGCCCAACCCACCTGAGAGATGTGTGAGGGAAGTGGGTGGGCGCTTCT		1382
QY	1851	GGGAAGGTGATGTGAGAGGGGACACTGGAGCCCGGCTCCCATGCCCTACTCCCACTGC		1910
Db	1383	GGGAAGGTGATGTGAGAGGGGACACTGGAGCCCGGCTCCCATGCCCTACTCCCACTGC		1442
QY	1911	TCAGCGCGGGCCATTGCAGAGGCTGCACACATGTCTTTGTCCACTCTGGGACATTTCTGA		1970
Db	1443	TCAGCGCGGGCCATTGCAGAGGCTGCACACATGTCTTTGTCCACTCTGGGACATTTCTGA		1502
QY	1971	GTATGAGACGGGATGTCTATTTAAAACTACATGAGGGGAAAAAATTTTTAAAAA	2018	
Db	1503	GTATGAGACGGGATGTCTATTTAAAACTACATGAGGGGAAAAAAGGTGCAAA	1550	

RESULT 10
AAx97964
ID AAX97964 standard; DNA; 1490 BP.

XX AAX97964;
XX
XX 17-SEP-1999 (first entry)
XX
XX
XX Human secreted protein gene 49.
XX
XX Human: secreted protein; cancer; tumour; developmental abnormality;
XX foetal deficiency; blood disorder; immune system disorder; inflammation;
XX autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;
XX athroscleorosis; arthritis; achmia; psoriasis; sepsis; skin disorder;
XX digestive disorder; endocrine disorder; infection; AIDS; ss.
XX
XX Homo sapiens.
XX
XX W09931117-A1.
XX
XX 24-JUN-1999.
XX
XX 17-DEC-1998; 98MO-US27059.
XX
XX 19-DEC-1997; 97US-0068369.
XX 18-DEC-1997; 97US-0068006.
XX 18-DEC-1997; 97US-0068007.
XX 18-DEC-1997; 97US-0068008.
XX 18-DEC-1997; 97US-0068053.
XX 18-DEC-1997; 97US-0068054.
XX 18-DEC-1997; 97US-0068057.
XX 18-DEC-1997; 97US-0068064.
XX 18-DEC-1997; 97US-0070923.
XX 19-DEC-1997; 97US-0068169.
XX 19-DEC-1997; 97US-0068365.
XX 19-DEC-1997; 97US-0068367.
XX 19-DEC-1997; 97US-0068368.
XX
XX (HDMA-) HUMAN GENOME SCI INC.
XX
XX Carter KC, Duan RD, Feng P, Ferrie AM, Florence C;
XX Florence K, Greene JM, Janat F, Kyaw H, Moore PA;
XX Ni J, Rosen CA, Ruben SM, Shi Y, Soppet DR, Wei Y,
XX Yu G;
XX
XX MPI: 1999-418749/35.
XX P-PSDB; AAY36272.
XX
XX New isolated human genes encoding secreted polypeptides
XX
XX Claim 1, Page 301; 537pp; English.
XX
XX AAY97916 to AAY98029 represent 110 isolated human secreted protein
XX genes. AAY36224 to AAY36727 represent the secreted proteins encoded by
XX the 110 human genes. The genes and their corresponding secreted
XX polypeptides are useful for preventing, treating or ameliorating medical
XX conditions, e.g. by protein or gene therapy. Also pathological condition
XX can be diagnosed by determining the amount of the new polypeptides in a
XX sample or by determining the presence of mutations in the new genes.
XX Specific uses are described for each of the 110 genes, based on which
XX tissues they are most highly expressed in, and include developing
XX products for the diagnosis or treatment of cancer, tumours, developmenal
XX abnormalities and foetal deficiencies, blood disorders, diseases of the
XX immune system, autoimmune diseases, inflammation, allergies, Alzheimer's
XX and cognitive disorders, schizophrenia, arthritis, achmia, psoriasis,
XX sepsis, skin disorders, athroscleorosis, diabetes, cardiovascular
XX disorders, kidney disorders, digestive/endocrine disorders, infections
XX and AIDS. The polypeptides are also useful for identifying their binding
XX partners. The sequences given in AAX97907 to AAX97915 and AAY36223 are
XX used in the exemplification of the present invention.
XX
XX Sequence 1490 BP; 318 A; 468 C; 399 G; 302 T; 3 other;

Query Match	Score	DB	Length
Best Local Similarity	62.8%;	1284.6;	20;
	98.3%;	Pred. No. 7.8e-257;	

QY	922	CACCCCTCTGTCCTAATGTAGGCCAGGGAGGACCTTGTAGTCTGGGCGGCACATCTGCTTTCG	981
Db	61	CACCCCTCTGTCTTAATGTAGGCCAGGGAGGACCTTGTAGTCTGGGCGGCACATCTGCTTTCG	120
QY	982	GAGCCCAAGCACCCCTGTGTCTCTCCAGAGCCCGGAGAGCGTCTTCTCCATCCCTGTGAC	1041
Db	121	GAGCCCAAGCACCCCTGTGTCTCTCCAGAGCCCGGAGAGCGTCTTCTCCATCCCTGTGAC	180
QY	1042	CTGTGCCCCGTGACTCTCCAAACTTTGAAGTCAATGACCACTGGGGGACAGTGGGCTGT	1101
Db	181	CTGTGCCCCGTGACTCTCCAAACTTTGAAGTCAATGACCACTGGGGGACAGTGGGCTGT	240
QY	1102	TGTGGCTGGGTCTGGGGGAGGGTGCATTTGAGCGCAGGGCTGGCTCTGTAGTGGCTCTT	1161
Db	241	TGTGGCTGGGTCTGGGGGAGGGTGCATTTGAGCGCAGGGCTGGCTCTGTAGTGGCTCTT	300
QY	1162	GAGCTCGGCGCTTGTTCCCTCCCTCTGTGCTCTGGGCTCAGATACTGTGACATCCCAAG	1221
Db	301	GAGCTCGGCGCTTGTTCCCTCCCTCTGTGCTCTGGGCTCAGATACTGTGACATCCCAAG	360
QY	1222	CCGAGCCCTCAACCCCTGTGGATGTCTATGGGGATGTCTGGAAGGGCTCAGCCCTGTTC	1281
Db	361	CCGAGCCCTCAACCCCTGTGGATGTCTATGGGGATGTCTGGAAGGGCTCAGCCCTGTTC	420
QY	1282	CAAGGATTTTGGGGTGTGAGATTTCTCCCTAGAGACTGAAATTCACAGACTACAGATG	1341
Db	421	CAAGGATTTTGGGGTGTGAGATTTCTCCCTAGAGACTGAAATTCACAGACTACAGATG	480
QY	1342	CCAAATGACTTAACTCTTAAAGAGTCTAGAACTGCCAGCCCTTCAGAGCTCTGCTTCT	1401
Db	481	CCAAATGACTTAACTCTTAAAGAGTCTAGAACTGCCAGCCCTTCAGAGCTCTGCTTCT	540
QY	1402	GAGACATGAGCTTGGGATGTGGCAGCATGAGTGGACAAATGAGACACTGGGCAACCT	1461
Db	541	GAGACATGAGCTTGGGATGTGGCAGCATGAGTGGACAAATGAGACACTGGGCAACCT	600
QY	1462	CCGAGGCAACAGACACAGGGGACGGTGGAGAGACTTCTCCCGCTGGCGCTTGGCTCC	1521
Db	601	CCGAGGCAACAGACACAGGGGACGGTGGAGAGACTTCTCCCGCTGGCGCTTGGCTCC	660
QY	1522	CCCGTTTTGCCGAGGCTGCTCTTCTGCAAGCTTCCCTTGTATACACAGTGGCTCGG	1581
Db	661	CCCGTTTTGCCGAGGCTGCTCTTCTGCAAGCTTCTCTTGTATACACAGTGGCTCGG	720
QY	1582	GGCCAGGCTTGCTGCCCACTGGCCATGCCACCTTCCCAAGCTGCTCTTACACAGAGT	1641
Db	721	GGCCAGGCTTGCTGCCCACTGGCCATGCCACCTTCCCAAGCTGCTCTTACACAGAGT	780
QY	1642	TTCTCTGAAGATCTGTCAACAGGTTTAAGTCAATCTGGGGCTTCCATCTGCTGCATTCAG	1701
Db	781	TTCTCTGAAGATCTGTCAACAGGTTTAAGTCAATCTGGGGCTTCCATCTGCTGCATTCAG	840
QY	1702	TCCCAAGAGCTTGGTGTGCCGAAACGGGAAAGTCAATTTGGGGGATGTGGGGCACTGGCC	1761
Db	841	TCCCAAGAGCTTGGTGTGCCGAAACGGGAAAGTCAATTTGGGGGATGTGGGGCACTGGCC	900
QY	1762	AGCAAAATGTGTCTTTGGCAATCTGAGGCGCAGACAGATGTTGCCCAACCCACTGAGAT	1821
Db	901	AGCAAAATGTGTCTTTGGCAATCTGAGGCGCAGACAGATGTTGCCCAACCCACTGAGAT	960
QY	1822	GGTCTGAGGGAGGTGGGTGGGGCTTCTGGGAAAGTGAAGTGGAGAGGGGGCACTGGCCC	1881
Db	961	GGTCTGAGGGAGGTGGGTGGGGCTTCTGGGAAAGTGAAGTGGAGAGGGGGCACTGGCCC	1020
QY	1882	CCGCGCTTCCCATCCCTACTTCCACTGCTCAGCGCGGGCCATTGCAAGGGTGCACACA	1941
Db	1021	CCGCGCTTCCCATCCCTACTTCCACTGCTCAGCGCGGGCCATTGCAAGGGTGCACACA	1080
QY	1942	ATGTCTGTTCACACCTGGGACACTTGTAGAGTATGAAGGGGATGCTATTAATAACTAT	2001
Db	1081	ATGTCTGTTCACACCTGGGACACTTGTAGAGTATGAAGGGGATGCTATTAATAACTAT	1140

0Y	2002	GGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	AGA	2044
DB	1141	GGGAAACAGTGCAAAACCTCGAAAAAAAAAAAAAAAAAA		1183
	RESULT 12			
ID	AA562589			
AC	AA562589	standard; cDNA, 1016 BP.		
DT	14-FEB-2002	(first entry)		
DE	cDNA sequence #376 encoding novel human secreted protein.			
KW	Human secreted protein; hyperproliferative disorder; autoimmune disorder; immune deficiency disorder; blood disorder; inflammatory disorder; infectious disorder; gene therapy; antimicrobial; hepatotropic; immunosuppressive; antirheumatic; ss.			
OS	Homo sapiens.			
PN	MO200177291-A2.			
PD	18-OCT-2001.			
PE	29-MAR-2001; 2001MO-US10485.			
XX	06-APR-2000; 2000US-195604P.			
XX	(GENY) GENETICS INST INC.			
PI	Wong GS, Clark HF, Rechel K, Agostino MJ, Howes SH, Resnick RJ,			
PI	Gulukota K, Graham JR;			
DR	WPI; 2002-010900/01.			
PT	New polynucleotides encoding secreted proteins useful for treating e.g.			
PT	asthma, HIV and Crohn's disease -			
PS	Claim 1; Page 273; 391pp; English.			
XX	The present invention relates to the isolation of novel cDNA sequences			
CC	which encode human secreted proteins. The cDNA sequences have been			
CC	derived from a variety of human tissues. The invention also provides			
CC	a method for producing proteins from these polynucleotide sequences.			
CC	The proteins are useful for identifying compounds that modulate their			
CC	activity and production, and the cell is also useful for identifying			
CC	compounds that modulate expression of the polynucleotide sequences			
CC	encoding the secreted proteins. The sequences of the invention are			
CC	useful for treating diseases such as hyperproliferative disorders			
CC	(e.g. cancer, immune deficiency disorders (e.g. severe combined			
CC	immunodeficiency (SCID)), autoimmune disorders (e.g. multiple			
CC	sclerosis), blood disorders (e.g. thrombocytopaenia), inflammatory			
CC	disorders (e.g. arthritis) and infectious disorders (e.g. hepatitis).			
CC	The polynucleotide sequences of the invention are also useful in gene			
CC	therapy. AA562214-AA562838 represent the cDNA sequences of the			
CC	invention that encode for novel human secreted proteins.			
XX				
XX	Sequence 1016 BP; 183 A; 323 C; 283 G; 227 T; 0 other;			
0Y	Query Match	49.7%; Score 1016; DB 24; Length 1016;		
DB	Best Local Similarity	100.0%; Pred. No. 3, 5e-201;		
	Matches 1016; Conservative	0; Mismatches 0; Indels 0; Gaps 0;		
0Y	990	CACCCCTGTCCTCTCAGACCCCGGAGACGTTCTTCCATCCCTGACCTGTC	1049	
DB	1	CACCCCTGTCCTCTCAGACCCCGGAGACGTTCTTCCATCCCTGACCTGTC	60	
0Y	1050	TGATCTTCGAAACCTTGAGTCATCTTAGCCAGCTGGGGGACAGTGGGCTGTGGCTG	1109	
DB	61	TGATCTTCGAAACCTTGAGTCATCTTAGCCAGCTGGGGGACAGTGGGCTGTGGCTG	120	

QY 1110 GGTCTGGGGCAGGTGATTTGAGCCAGGCTGTCTGTAGTGGCTCTTGGGCTTCGG 1169
DB 121 GGTCTGGGGCAGGTGATTTGAGCCAGGCTGTCTGTAGTGGCTCTTGGGCTTCGG 180
QY 1170 CCTGGTTCCTCCCTCCCTGCTGTGGGCTCAGATCTGTGAGATCCCAAGGCCAGGCC 1229
DB 181 CCTGGTTCCTCCCTCCCTGCTGTGGGCTCAGATCTGTGAGATCCCAAGGCCAGGCC 240
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AAK85139;

07-NOV-2001 (first entry)

Human immune/haematopoietic antigen genomic sequence SEQ ID NO:39951.

Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;

cytotoxic; gene therapy; vaccine; metastasis; de.

XX OS Homo sapiens.
XX PN W0200157182-A2.
XX PD 09-AUG-2001.
XX PF 17-JAN-2001; 2001WO-US01354.
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 PR 05-JAN-2001; 2001US-0259678.
 XX

PA (HUMA-) HUMAN GENOME SCI INC.
 XX Rosen CA, Barash SC, Ruben SM;
 XX WPI; 2001-483426/52.
 DR
 XX
 PT Nucleic acids encoding human immune/hematopoietic antigen polypeptides,
 PT useful for preventing, diagnosing and/or treating cancers and
 PT metastasis -
 XX
 XX Disclosure; SEQ ID NO 39951; 3071bp + Sequence Listing; English.
 XX
 CC AAK5951 to AAK64702 encode the human immune/hematopoietic antigen (I)
 CC amino acid sequences given in AAK82170 to AAK91921. (I) have cytostatic
 CC activity, and can be used in gene therapy and vaccine production. (I)
 CC proteins and polynucleotides may be used in the prevention, diagnosis and
 CC treatment of diseases associated with inappropriate (I) expression. For
 CC example, they may be used to treat disorders associated with decreased
 CC expression by rectifying mutations or deletions in a patient's genome
 CC that affect the activity of (I) by expressing inactive proteins or to
 CC supplement the patient's own production of (I). Additionally, (I)
 CC polynucleotides may be used to produce the secreted (I), by inserting
 CC the nucleic acids into a host cell and culturing the cell to express the
 CC protein. (I) proteins and polynucleotides may be used to prevent,
 CC diagnose and treat immune/hematopoietic-related diseases, especially
 CC cancers and cancer metastases of hematopoietic-derived cells. AAK64703
 CC to AAK87694 represent human immune/hematopoietic antigen genomic
 CC sequences from the present invention. AAK54942 to AAK54950 and AAK82169
 CC represent sequences used in the exemplification of the present invention.
 XX
 SO Sequence 5920 BP; 1253 A; 1607 C; 1748 G; 1312 T; 0 other;
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 QY 1099 TGTGTGCTGGAGTCTGGGGGAGTGCATTTAGCCAGGGCTGGCTGTGAGTGGGCTC 1158
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GenCore version 5.1.6
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4	1651	100.0	311	23	ABE84515	Human PRO142 prot
5	1651	100.0	311	23	AAV83678	Human PRO protein,
6	1647	99.8	311	22	AAE31676	Amino acid sequen
7	1640	99.3	311	21	AAE87247	Human signal pepti
8	1030	62.4	193	23	AAE70193	Human prey protein
9	931	56.4	179	23	ABU11286	Human encoding huma

10	889	53.8	1509	22	ABG038875	Novel human diaph
11	783.5	47.5	168	22	AB8985803	Human hydrophobic
12	589	35.7	110	21	AB840620	Human ORF384
13	556	33.7	177	20	AAV36634	Fragment of human
14	136	8.2	174	20	AAV36272	Human secreted pro
15	130	7.9	25	20	AAV36636	Fragment of human
16	125	7.6	480	23	AAU81008	BS11-Ig fusion com
17	114.5	6.9	612	23	AB882158	Human NOVA protein
18	112.5	6.8	215	20	AAV41707	Human PRO386 prote
19	112.5	6.8	215	21	AB844263	Human PRO386 (UNQ3
20	112.5	6.8	215	21	AAV70465	Human membrane cha
21	112.5	6.8	215	22	AAU28057	Human PRO polypept
22	112.5	6.8	215	23	AB808950	Human SCN2B. Homo
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24	112.5	6.8	215	24	ABU66602	Human secreted/tran
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33	112.5	6.8	290	22	AAU03560	Mouse immunoregula
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OS	Homo sapiens.
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 PR 20-OCT-1998; 98US-0104987.
 PR 20-OCT-1998; 98US-0105000.
 PR 20-OCT-1998; 98US-0105002.
 PR 21-OCT-1998; 98US-0105104.
 PR 22-OCT-1998; 98US-0105169.
 PR 22-OCT-1998; 98US-0105266.
 PR 26-OCT-1998; 98US-0105693.
 PR 26-OCT-1998; 98US-0105694.

PR 27-OCT-1998; 98US-0105807.
 PR 27-OCT-1998; 98US-0105881.
 PR 27-OCT-1998; 98US-0105882.
 PR 27-OCT-1998; 98US-0106062.
 PR 28-OCT-1998; 98US-0106023.
 PR 28-OCT-1998; 98US-0106029.
 PR 28-OCT-1998; 98US-0106030.
 PR 28-OCT-1998; 98US-0106032.
 PR 28-OCT-1998; 98US-0106033.
 PR 28-OCT-1998; 98US-0106178.
 PR 29-OCT-1998; 98US-0106248.
 PR 29-OCT-1998; 98US-0106384.
 PR 29-OCT-1998; 98US-0106500.
 PR 30-OCT-1998; 98US-0106464.
 PR 03-NOV-1998; 98US-0106856.
 PR 03-NOV-1998; 98US-0106926.
 PR 03-NOV-1998; 98US-0106905.
 PR 03-NOV-1998; 98US-0106919.
 PR 03-NOV-1998; 98US-0106932.
 PR 03-NOV-1998; 98US-0106934.
 PR 10-NOV-1998; 98US-0107783.
 PR 17-NOV-1998; 98US-0108775.
 PR 17-NOV-1998; 98US-0108779.
 PR 17-NOV-1998; 98US-0108787.
 PR 17-NOV-1998; 98US-0108788.
 PR 17-NOV-1998; 98US-0108801.
 PR 17-NOV-1998; 98US-0108802.
 PR 17-NOV-1998; 98US-0108806.
 PR 17-NOV-1998; 98US-0108807.
 PR 17-NOV-1998; 98US-0108867.
 PR 17-NOV-1998; 98US-0108925.
 PR 18-NOV-1998; 98US-0108849.
 PR 18-NOV-1998; 98US-0108850.
 PR 18-NOV-1998; 98US-0108851.
 PR 18-NOV-1998; 98US-0108852.
 PR 18-NOV-1998; 98US-0108856.
 PR 18-NOV-1998; 98US-0108904.
 PR 18-NOV-1998; 98US-0108904.
 PR XX (GETH) GENENTECH INC.
 PA Baker K, Goddard A, Gurney AL, Smith V, Watanabe CK, Wood WI;
 PI WPI, 2000-237871/20.
 DR N-PSDB; AAA37063.
 XX
 PT New mammalian DNA sequences encoding transmembrane, receptor or
 secreted PRO polypeptides, useful for screening of potential peptide or
 small molecule inhibitors of the relevant receptor/ligand interactions
 XX
 PS Claim 12; Fig 84; 773pp; English.
 XX
 CC AAA37022 to AAA37144 encode the new isolated human transmembrane,
 CC receptor or secreted PRO polypeptides given in AA999340 to AA999462. The
 CC transmembrane and receptor PRO proteins can be used for screening of
 CC potential peptide or small molecule inhibitors of the relevant
 CC receptor/ligand interactions. The polypeptides and nucleotide sequences
 CC encoding then have various industrial applications, including uses as
 CC pharmaceutical and diagnostic agents. AAA37145 to AAA37330 represent
 CC PCR primers and hybridization probes used in the isolation of the PRO
 CC polypeptides from the present invention.
 XX
 SQ Sequence 311 AA;
 Query Match 100.0%; Score 1651; DB 21; Length 311;
 Best Local Similarity 100.0%; Pred. No. 1, 1e-137;
 Matches 311; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MGVPTALEAGSWRWSGLLPAFLAASLGPVAAFKATATYSLYVEGQNTVITCILLGPFV 60
 Db 1 MGVPTALEAGSWRWSGLLPAFLAASLGPVAAFKATATYSLYVEGQNTVITCILLGPFV 60
 QY 61 DKGHVTPFKYTKYRBSRGEVQCSERRIPRINLTPDHLHGHGHAQANTSHDLAQRHGLE 120

Db 61 DKGHDTFYKTYRSGEVTQCSERRPRIRNLTFODLHLHGHOAANTSHDLAQRHGLE 120
 QY 121 SASDHHGNFSITWRNLTLDSGLYCCLVVEIRHHSEHRVHGAMELQVOTGDAFNSCV 180
 Db 121 SASDHHGNFSITWRNLTLDSGLYCCLVVEIRHHSEHRVHGAMELQVOTGDAFNSCV 180
 QY 181 YPSSQDSSENTTAAALATGACIVGILCLPLILLVYKORQAASNRRAQELVRMDSNIQGI 240
 Db 181 YPSSQDSSENTTAAALATGACIVGILCLPLILLVYKORQAASNRRAQELVRMDSNIQGI 240
 QY 241 ENPGFEASPPAOGIPEAKVRHPLSYAOROPSESGRHLLSEPTPLSPPGDVFPPSLD 300
 Db 241 ENPGFEASPPAOGIPEAKVRHPLSYAOROPSESGRHLLSEPTPLSPPGDVFPPSLD 300
 QY 301 PVPDSPNFVEI 311
 Db 301 PVPDSPNFVEI 311
 Db 301 PVPDSPNFVEI 311
 RESULT 2
 AAB66130
 ID AAB66130 standard; protein; 311 AA.
 XX AAB66130;
 AC
 DT 02-APR-2001 (first entry)
 XX
 DE Protein of the invention #42.
 XX
 KM Secreted; transmembrane; gene therapy.
 XX
 OS Unidentified.
 XX
 OS
 PN WO20078961-A1.
 XX
 PD 28-DEC-2000.
 XX
 PF 18-FEB-2000; 2000WO-US04342.
 XX
 PR 23-JUN-1999; 99US-0141037.
 PR 20-JUL-1999; 99US-0144758.
 PR 26-JUL-1999; 99US-0145698.
 PR 01-SEP-1999; 99WO-US20111.
 PR 29-OCT-1999; 99US-0162506.
 PR 30-NOV-1999; 99WO-US28313.
 PR 02-DEC-1999; 99WO-US28551.
 PR 16-DEC-1999; 99WO-US30095.
 PR 05-JAN-2000; 2000WO-US00219.
 PR 06-JAN-2000; 2000WO-US00376.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Borstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S,
 PI Gao W, Goddard A, Godowski PJ, Grimaldi CD, Gurney AL, Hillan MJ,
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D,
 PI Watanabe CK, Williams PM, Wood WT;
 XX
 DR WPI: 2001-071395/08.
 XX
 PT Secreted and transmembrane proteins and nucleic acids designated PRO,
 PT useful as hybridization probes, in chromosome and gene mapping and gene
 PT therapy -
 XX
 PS Claim 1, Fig. 84; 787pp; English.
 CC The present invention relates to secreted and transmembrane proteins.
 CC These proteins and the DNA encoding them may be used as hybridization
 CC probes, in chromosome and gene mapping and in the generation of
 CC anti-sense RNA and DNA. They may also be used to generate either
 CC transgenic animals or knockout animals which are in turn useful for
 CC development and screening of therapeutically useful reagents.
 CC The nucleic acids may also be used in gene therapy.

XX SQ Sequence 311 AA;
 Query Match 100.0%; Score 1651; DB 22; Length 311;
 Best Local Similarity 100.0%; Pred. No. 1,1e-137;
 Matches 311; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MGVPTALEGSRWKSLLFALFLAASLGPVAFKATPYSLYCPGQVNTLTCRLGAV 60
 Db 1 MGVPTALEGSRWKSLLFALFLAASLGPVAFKATPYSLYCPGQVNTLTCRLGAV 60
 QY 61 DKGHDTFYKTYRSGEVTQCSERRPRIRNLTFODLHLHGHOAANTSHDLAQRHGLE 120
 Db 61 DKGHDTFYKTYRSGEVTQCSERRPRIRNLTFODLHLHGHOAANTSHDLAQRHGLE 120
 QY 121 SASDHHGNFSITWRNLTLDSGLYCCLVVEIRHHSEHRVHGAMELQVOTGDAFNSCV 180
 Db 121 SASDHHGNFSITWRNLTLDSGLYCCLVVEIRHHSEHRVHGAMELQVOTGDAFNSCV 180
 QY 181 YPSSQDSSENTTAAALATGACIVGILCLPLILLVYKORQAASNRRAQELVRMDSNIQGI 240
 Db 181 YPSSQDSSENTTAAALATGACIVGILCLPLILLVYKORQAASNRRAQELVRMDSNIQGI 240
 QY 241 ENPGFEASPPAOGIPEAKVRHPLSYAOROPSESGRHLLSEPTPLSPPGDVFPPSLD 300
 Db 241 ENPGFEASPPAOGIPEAKVRHPLSYAOROPSESGRHLLSEPTPLSPPGDVFPPSLD 300
 QY 301 PVPDSPNFVEI 311
 Db 301 PVPDSPNFVEI 311
 Db 301 PVPDSPNFVEI 311
 RESULT 3
 ABB95521
 ID ABB95521 standard; protein; 311 AA.
 XX ABB95521;
 AC
 DT 19-JUL-2002 (first entry)
 XX
 DE Human angiogenesis related protein PRO1412 SEQ ID NO: 198.
 XX
 KM Human; angiogenesis; PRO protein; cardiovascularisation; wound; cancer;
 KM atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;
 KM cardiac; cytosolic; antiangiogenic; hypotensive; vlnetary;
 KM antiarteriosclerotic.
 XX
 OS Homo sapiens.
 XX
 PN WO200208284-A2.
 XX
 PD 31-JAN-2002.
 XX
 PF 09-JUL-2001; 2001WO-US21735.
 XX
 PR 20-JUL-2000; 2000US-219556P.
 PR 25-JUL-2000; 2000US-220624P.
 PR 25-JUL-2000; 2000US-220664P.
 PR 28-JUL-2000; 2000WO-US20710.
 PR 02-AUG-2000; 2000US-222695P.
 PR 17-AUG-2000; 2000US-0643657.
 PR 23-AUG-2000; 2000WO-US23522.
 PR 24-AUG-2000; 2000WO-US23328.
 PR 07-SEP-2000; 2000US-230978P.
 PR 15-SEP-2000; 2000US-000000P.
 PR 18-SEP-2000; 2000US-0646610.
 PR 18-SEP-2000; 2000US-0665350.
 PR 24-OCT-2000; 2000US-249222P.
 PR 08-NOV-2000; 2000US-0709238.
 PR 08-NOV-2000; 2000WO-US0952.
 PR 10-NOV-2000; 2000WO-US30873.
 PR 01-DEC-2000; 2000WO-US32678.
 PR 20-DEC-2000; 2000US-0747259.

PR 20-DEC-2000; 2000WO-US34956.
 PR 22-JAN-2001; 2001US-0767609.
 PR 28-FEB-2001; 2001US-0736498.
 PR 28-FEB-2001; 2001WO-US06520.
 PR 01-MAR-2001; 2001WO-US06666.
 PR 09-MAR-2001; 2001US-0802706.
 PR 14-MAR-2001; 2001US-0806889.
 PR 22-MAR-2001; 2001US-0816744.
 PR 05-APR-2001; 2001US-0828366.
 PR 10-MAY-2001; 2001US-0854208.
 PR 10-MAY-2001; 2001US-0854280.
 PR 25-MAY-2001; 2001US-0866028.
 PR 25-MAY-2001; 2001US-0866034.
 PR 25-MAY-2001; 2001WO-US17092.
 PR 30-MAY-2001; 2001US-0870574.
 PR 30-MAY-2001; 2001WO-US17443.
 PR 01-JUN-2001; 2001WO-US17800.
 PR 20-JUN-2001; 2001WO-US19692.
 PR 28-JUN-2001; 2001WO-US00000.
 XX (GETH) GENENTECH INC.
 PA (BAKE) BAKER K P.
 PA (FERB) FERRARA N.
 PA (GERB) GERBER H.
 PA (GERR) GERRITSEN M E.
 PA (GODD) GODDARD A.
 PA (GODO) GODOWSKI P J.
 PA (GURN) GURNEY A L.
 PA (HILL) HILLMAN K J.
 PA (HILM) HILLMAN K J.
 PA (MARS) MARSTERS S A.
 PA (PANJ) PAN J.
 PA (PAON) PAONI N F.
 PA (STEP) STEPHAN J F.
 PA (WATA) WATANABE C K.
 PA (WILL) WILLIAMS P M.
 PA (WOOD) WOOD W I.
 XX Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A,
 PI Godowski PJ, Gurney AL, Hillman KJ, Marsters SA, Pan J, Paoni NF,
 PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
 XX WPI: 2002-171999/22.
 DR N-PSDB; ABL95659.
 XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
 PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
 PT infarction), endothelial or angiogenic disorders in a mammal -
 PS Claim 11; Fig 198; 567pp; English.
 XX The present invention provides for the protein and coding sequences of human
 CC PRO proteins. These are useful for treating or diagnosing a
 CC cardiovascular, endothelial or angiogenic disorder, including cardiac
 CC hypertrophy, trauma, cancer, age-related macular degeneration,
 CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
 CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
 CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
 CC healing. The present sequence is a PRO protein of the invention.
 XX
 SQ Sequence 311 AA;
 Query Match 100.0%; Score 1651; DB 23; Length 311;
 Best Local Similarity 100.0%; Pred. No. 1.1e-137;
 Matches 311; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 121 SASDHRGNSITKRNLTLDLSGLYCCIVVEIRHSHSHRVHGMELQVGTGKAPSNQV 180
 DB 121 SASDHRGNSITKRNLTLDLSGLYCCIVVEIRHSHSHRVHGMELQVGTGKAPSNQV 180
 QY 181 YPSSQDSSENTTAAATGACIYIICLPILLLVYKQRAANRPAQELVRDMSNOGI 240
 DB 181 YPSSQDSSENTTAAATGACIYIICLPILLLVYKQRAANRPAQELVRDMSNOGI 240
 QY 241 ENPGFEASPPAOCIGPEAKVHPPLSYVAQROPSESGRHLSEPTPLSPGPGDVFFPSLD 300
 DB 241 ENPGFEASPPAOCIGPEAKVHPPLSYVAQROPSESGRHLSEPTPLSPGPGDVFFPSLD 300
 QY 301 PVPDSPNFVYI 311
 DB 301 PVPDSPNFVYI 311
 RESULT 4
 ABB84915
 ID ABB84915 standard; Protein; 311 AA.
 XX
 AC ABB84915;
 DT 16-MAY-2002 (first entry)
 XX
 DE Human PRO1412 protein sequence SEQ ID NO:198.
 XX
 KW Human; angiogenesis; cardiac; cytostatic; antiangiogenic; hypotensive;
 KW vlnetary; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
 KW gene therapy; cardiovascular disorder; endothelial disorder; cancer;
 KW angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
 KW age-related macular degeneration; arterial restenosis; angina;
 KW rheumatoid arthritis; myocardial infarction; thrombophlebitis;
 KW lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
 KW wound healing; chromosome mapping; gene mapping.
 XX
 OS Homo sapiens.
 XX
 PN WO200200690-A2.
 XX
 PD 03-JAN-2002.
 XX
 PF 20-JUN-2001; 2001WO-US19692.
 XX
 PR 23-JUN-2000; 2000US-213637P.
 PR 20-JUL-2000; 2000US-219556P.
 PR 25-JUL-2000; 2000US-220624P.
 PR 25-JUL-2000; 2000US-220664P.
 PR 28-JUL-2000; 2000WO-US20710.
 PR 02-AUG-2000; 2000US-222695P.
 PR 17-AUG-2000; 2000US-0643657.
 PR 23-AUG-2000; 2000WO-US23522.
 PR 24-AUG-2000; 2000WO-US23328.
 PR 07-SEP-2000; 2000US-230978P.
 PR 18-SEP-2000; 2000US-0664610.
 PR 18-SEP-2000; 2000US-0665350.
 PR 24-OCT-2000; 2000US-242922P.
 PR 08-NOV-2000; 2000US-0709238.
 PR 08-NOV-2000; 2000WO-US30952.
 PR 10-NOV-2000; 2000WO-US30873.
 PR 01-DEC-2000; 2000WO-US32678.
 PR 20-DEC-2000; 2000US-074725P.
 PR 22-JAN-2001; 2000WO-US34956.
 PR 28-FEB-2001; 2001US-0796498.
 PR 28-FEB-2001; 2001WO-US06520.
 PR 01-MAR-2001; 2001WO-US06666.
 PR 09-MAR-2001; 2001US-0802706.
 PR 14-MAR-2001; 2001US-0806889.
 PR 22-MAR-2001; 2001US-0816744.
 PR 05-APR-2001; 2001US-0828366.
 PR 10-MAY-2001; 2001US-0854208.
 PR 10-MAY-2001; 2001US-0854280.

PR 25-MAY-2001; 2001US-0866028.
PR 25-MAY-2001; 2001US-0866034.
PR 25-MAY-2001; 2001WO-US17092.
PR 30-MAY-2001; 2001US-0870574.
PR 30-MAY-2001; 2001WO-US17443.
PR 01-JUN-2001; 2001WO-US17800.
XX
XX (GENTECH) GENENTECH INC.
XX
XX Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W,
XX
XX WPI; 2002-090516/12.
DR N-PSDB; ABL88170.
XX
XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal -
XX
XX Claim 11; Fig 198; 565pp; English.
XX
XX ABL88072 to ABL88258 encode the PRO proteins given in ABL8817 to
CC ABL885003. The PRO proteins and polynucleotides have cardiac, cytosolic,
CC antiangiogenic, hypotensive, vulnary and antiarteriosclerotic
CC activities, and can be used in gene therapy. The PRO polynucleotides,
CC proteins, agonists and antagonists are useful for treating or diagnosing
CC a cardiovascular, endothelial or angiogenic disorder in a mammal,
CC e.g. cardiac hypertrophy, trauma, cancer, age-related macular
CC degeneration, atherosclerosis, hypertension, arterial restenosis,
CC rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis,
CC lymphangitis, tumor angiogenesis (such as breast carcinoma and liver
CC carcinoma) and wound healing. The PRO polynucleotides have applications
CC in molecular biology, including use as hybridisation probes, and in
CC chromosome and gene mapping. ABL88259 to ABL88267 represent primers and
CC probes used in the exemplification of the present invention.
XX
XX Sequence 311 AA;
SQ

Query Match 100.0%; Score 1651; DB 23; Length 311;
Best Local Similarity 100.0%; Pred. No. 1,le-137;
Matches 311; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGVPTALEAGSWRWSLTLALFLAASLGVAFAKATPYSLYVCPBGQVNTLTCLLGPV 60
DB 1 MGVPTALEAGSWRWSLTLALFLAASLGVAFAKATPYSLYVCPBGQVNTLTCLLGPV 60
QY 61 DKGHVTPFKYKTYRSGRGVOTCSRRPRTNLTPODLHGHGHOAANTSHDLAQRHGE 120
DB 61 DKGHVTPFKYKTYRSGRGVOTCSRRPRTNLTPODLHGHGHOAANTSHDLAQRHGE 120
QY 121 SASDHGNGFSITRNLTLLDSGLYCLVVEIRHSHSEHVHAGMELQVOTGKDAFNSCVV 180
DB 121 SASDHGNGFSITRNLTLLDSGLYCLVVEIRHSHSEHVHAGMELQVOTGKDAFNSCVV 180
QY 121 SASDHGNGFSITRNLTLLDSGLYCLVVEIRHSHSEHVHAGMELQVOTGKDAFNSCVV 180
DB 121 SASDHGNGFSITRNLTLLDSGLYCLVVEIRHSHSEHVHAGMELQVOTGKDAFNSCVV 180
QY 181 YPSSSQDSSENITPAALATGACTIGILCLPLILLVYKORQAASNRPAQLVEMDSNTQGI 240
DB 181 YPSSSQDSSENITPAALATGACTIGILCLPLILLVYKORQAASNRPAQLVEMDSNTQGI 240
QY 241 ENPGEASPPACIGTPEAKRPHLSYVAQPSRSGHLSRSTPSPGPGDVPPPSLD 300
DB 241 ENPGEASPPACIGTPEAKRPHLSYVAQPSRSGHLSRSTPSPGPGDVPPPSLD 300
QY 301 PVPDSPNFEVI 311
DB 301 PVPDSPNFEVI 311

RESULT 5
AAU83678
XX AAU83678 standard; Protein; 311 AA.
AC AAU83678;

XX 08-MAY-2002 (first entry)
DT Human PRO protein, Seq ID No 174.
XX
DE Human PRO protein, Seq ID No 174.
XX
XX Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW breast cancer; prostate tumour; rectal tumour; liver tumour;
KW pericyte cell proliferation; chondrocyte cell proliferation;
KW tumour necrosis factor-alpha.
XX
XX Homo sapiens.
XX
XX WO200208288-A2.
XX
XX 31-JAN-2002.
XX
XX 29-JUN-2001; 2001WO-US21066.
XX
XX 20-JUL-2000; 2000US-219556P.
XX 25-JUL-2000; 2000US-220585P.
XX 25-JUL-2000; 2000US-220605P.
XX 25-JUL-2000; 2000US-220607P.
XX 25-JUL-2000; 2000US-220624P.
XX 25-JUL-2000; 2000US-220638P.
XX 25-JUL-2000; 2000US-220664P.
XX 26-JUL-2000; 2000US-220893P.
XX 28-JUL-2000; 2000WO-US20710.
XX 23-AUG-2000; 2000WO-US23522.
XX 24-AUG-2000; 2000WO-US23328.
XX 15-SEP-2000; 2000US-000000P.
XX 10-NOV-2000; 2000WO-US30873.
XX 28-NOV-2000; 2000US-253646P.
XX 01-DEC-2000; 2000WO-US32678.
XX 20-DEC-2000; 2000US-0747259.
XX 20-DEC-2000; 2000WO-US34956.
XX 28-FEB-2001; 2001WO-US06520.
XX 10-MAY-2001; 2001US-0854280.
XX 25-MAY-2001; 2001WO-US17092.
XX
XX (GENTECH) GENENTECH INC.
XX
XX Baker KP, Deenoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
XX WPI; 2002-172001/22.
DR N-PSDB; ABK33622.
XX
XX One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT useful for treating a PRO related disorder and for diagnosing tumours
PT such as lung cancer, colon cancer, breast tumour, prostate tumour, rectal
PT tumour or liver tumour -
XX
XX Claim 11; Figure 174; 359pp; English.
XX
XX The invention relates to one hundred and twenty two nucleic acids
CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
CC encode human secreted proteins. The PRO nucleic acids, polypeptides,
CC agonists and antagonists are useful for treating a PRO related disorder.
CC The PRO polypeptides are useful for diagnosing tumours, especially lung
CC cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
CC liver tumour. The PRO polypeptides are useful for stimulating the
CC proliferation of, or gene expression, in pericyte cells, for stimulating
CC the proliferation or differentiation of chondrocyte cells, for
CC stimulating the release of tumour necrosis factor-alpha from human blood,
CC for stimulating or inhibiting the proliferation of normal human dermal
CC fibroblast cells. The PRO polypeptide may also be used as molecular
CC weight markers and for tissue typing. The PRO nucleic acids have
CC applications in molecular biology, including use as hybridisation probes,
CC and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
CC protein sequences of the invention.
XX
XX Sequence 311 AA;
SQ

Query Match 100.0%; Score 1651; DB 23; Length 311;
 Best Local Similarity 100.0%; Pred. No. 1.1e-137;
 Matches 311; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGVPTALEAGSWRMGSLFLALFLAASLGVAAPKATPYSLYCPREGQNTLTCTRLGVP 60
 DB 1 MGVPTALEAGSWRMGSLFLALFLAASLGVAAPKATPYSLYCPREGQNTLTCTRLGVP 60
 QY 61 DKGHVTFYKTYWRSRGEVQTCSERRPIRNLTFODLHHRGHOAANTSHDLAQRHGLE 120
 DB 61 DKGHVTFYKTYWRSRGEVQTCSERRPIRNLTFODLHHRGHOAANTSHDLAQRHGLE 120
 QY 121 SASDHGNGFSITMRNLTLDSGLYCCLVVEIRHHSEHRRVHGMELQVOTGKDAPSNCV 180
 DB 121 SASDHGNGFSITMRNLTLDSGLYCCLVVEIRHHSEHRRVHGMELQVOTGKDAPSNCV 180
 QY 181 YPSSQDSENITAAALATGACIVGILCLPLILLVYKORQAASNRRAOELVRMDSNIOGI 240
 DB 181 YPSSQDSENITAAALATGACIVGILCLPLILLVYKORQAASNRRAOELVRMDSNIOGI 240
 QY 241 ENPGFEASPPAOGIPEAKVRHPLSYVAORQPSSEGRHLLSPSTPLSPGPDGVFFPSLD 300
 DB 241 ENPGFEASPPAOGIPEAKVRHPLSYVAORQPSSEGRHLLSPSTPLSPGPDGVFFPSLD 300
 QY 301 PVPDSPNFEVI 311
 DB 301 PVPDSPNFEVI 311

RESULT 6
 AAB31676
 ID AAB31676 standard; Protein; 311 AA.
 AC AAB31676;
 DT 30-APR-2001 (first entry)

Amino acid sequence of a human protein having a hydrophobic domain.
 Human; hydrophobic protein; secretory protein; membrane protein; sepsis;
 tumour inhibitor; immune deficiency; autoimmune disorder; anaemia; burn;
 infectious disease; cancer; ulcer; periodontal disease; coagulation;
 Parkinson's disease; fertility; immune response; thrombosis.
 Homo sapiens.
 WO200104297-A2.
 XX
 PN 18-JAN-2001.
 XX
 PD 16-JUN-2000; 2000MO-JP03942.
 XX
 PF 08-JUL-1999; 99JP-0194359.
 XX
 PR (SAGA) SAGAMI CHEM RES CENT.
 XX (PROT-) PROTEGENE INC.
 PA
 PI Kato S, Kimura T;
 XX
 DR WPI; 2001-103081/11.
 XX
 DR N-PSDB; AAF25166, AAF25176.
 XX
 PT Isolated human proteins and polynucleotides are used in research and
 have activities including cell proliferation/differentiation activity,
 immune stimulating activity and receptor/ligand activity -
 PT
 XX
 PS Claim 1; Page 102-104; 151pp; English.
 XX
 CC The present sequence represents a human protein with hydrophobic domains.
 CC The protein possesses a hydrophobic domain and so is a secretory protein
 CC or a membrane protein. The protein is used as an antigen to prepare
 CC antibodies. The polynucleotide sequence is useful as a source of probes

CC for genetic diagnosis. It is also useful for producing the protein
 CC in large quantities and for gene therapy. The eukaryotic cells are used
 CC for detecting the receptors or ligands corresponding to the protein and
 CC for detecting small novel pharmaceuticals. The antibodies are also used
 CC for detection, quantification and purification of the proteins. Both the
 CC protein and polynucleotide may be used in research or as nutritional
 CC sources or supplements. The protein may have cytokine and cell
 CC proliferation/differentiation activity, immune stimulating or suppressing
 CC activity, hematopoiesis regulating activity, tissue growth activity,
 CC activin/inhibin activity, chemotactic/chemokinetic activity, hemostatic
 CC and thrombolytic activity, receptor/ligand activity, anti-inflammatory
 CC activity and tumour inhibition activity. It may therefore may be used to
 CC treat immune deficiencies resulting from autoimmune disorders or
 CC infectious diseases, cancer, sepsis, anaemia, burns and ulcers,
 CC periodontal disease, Parkinson's disease, induce fertility, improve
 CC immune response and enhance coagulation or inhibit thrombosis;
 XX

SQ Sequence 311 AA:
 Query Match 99.8%; Score 1647; DB 22; Length 311;
 Best Local Similarity 99.7%; Pred. No. 2.5e-137;
 Matches 310; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGVPTALEAGSWRMGSLFLALFLAASLGVAAPKATPYSLYCPREGQNTLTCTRLGVP 60
 DB 1 MGVPTALEAGSWRMGSLFLALFLAASLGVAAPKATPYSLYCPREGQNTLTCTRLGVP 60
 QY 61 DKGHVTFYKTYWRSRGEVQTCSERRPIRNLTFODLHHRGHOAANTSHDLAQRHGLE 120
 DB 61 DKGHVTFYKTYWRSRGEVQTCSERRPIRNLTFODLHHRGHOAANTSHDLAQRHGLE 120
 QY 121 SASDHGNGFSITMRNLTLDSGLYCCLVVEIRHHSEHRRVHGMELQVOTGKDAPSNCV 180
 DB 121 SASDHGNGFSITMRNLTLDSGLYCCLVVEIRHHSEHRRVHGMELQVOTGKDAPSNCV 180
 QY 181 YPSSQDSENITAAALATGACIVGILCLPLILLVYKORQAASNRRAOELVRMDSNIOGI 240
 DB 181 YPSSQDSENITAAALATGACIVGILCLPLILLVYKORQAASNRRAOELVRMDSNIOGI 240
 QY 241 ENPGFEASPPAOGIPEAKVRHPLSYVAORQPSSEGRHLLSPSTPLSPGPDGVFFPSLD 300
 DB 241 ENPGFEASPPAOGIPEAKVRHPLSYVAORQPSSEGRHLLSPSTPLSPGPDGVFFPSLD 300
 QY 301 PVPDSPNFEVI 311
 DB 301 PVPDSPNFEVI 311

RESULT 7
 AAY87247
 ID AAY87247 standard; Protein; 311 AA.
 AC AAY87247;
 DT 11-MAY-2000 (first entry)

Human signal peptide containing protein HSP-24 SEQ ID NO:24.
 Human; signal peptide-containing protein; HSP; diagnosis; cancer;
 inflammation; cardiovascular disease; anticancer; anti-inflammatory;
 antimicrobial; neuroprotective; cardiovascular; hepatocytic;
 antiautomatic; gene therapy; cell proliferation; neurological disorder;
 reproductive disorder; developmental disorder; arteriosclerosis;
 cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;
 asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia;
 Parkinson's disease; Huntington's disease; ovulatory defect;
 muscular dystrophy.
 Homo sapiens.
 WO200000610-A2.
 06-JAN-2000.

PF	25-JUN-1999;	99NO-US14484.
XX		
PR	26-JUN-1998;	98US-0090762.
PR	31-JUL-1998;	98US-0094983.
PR	01-OCT-1998;	98US-0102686.
PR	11-DEC-1998;	98US-0112129.
XX		
PA	(INCYTE) INCYTE PHARM INC.	
XX		
PI	Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn ME,	
PI	Akeblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL,	
XX	Bandman O;	
XX		
DR	WPI: 2000-160673/14.	
XX	N-PSDB; AAZ98132.	
PT	New human signal peptide-containing proteins useful in treatment,	
PT	prevention and diagnosis of e.g. cancer, inflammation and	
PT	cardiovascular disease	
XX		
PS	Claim 1, Page 175, 327pp; English.	
XX		
CC	AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the	
CC	human signal peptide-containing proteins HSP-1 to HSP-114. HSPs have	
CC	anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic,	
CC	neuroprotective, cardiovascular and antidiabetic activities, and can	
CC	be used in gene therapy. HSPs can be used to treat or prevent disorders	
CC	associated with decreased activity or function of HSP. Antagonists of	
CC	HSP are used to treat or prevent disorders associated with increased	
CC	activity or function of HSP. Such diseases include cell proliferation	
CC	(including cancer), inflammation, cardiovascular, neurological,	
CC	reproductive or developmental disorders, (e.g. arteriosclerosis,	
CC	citrinosis, psoriasis), acquired immune deficiency syndrome, anaemia,	
CC	asthma, Crohn's disease, microbial or other infections, congestive or	
CC	ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's	
CC	diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSP	
CC	nucleic acids can be used for the recombinant production of HSP, for	
CC	detecting HSP in standard hybridisation and amplification assays (for	
CC	diagnosis and monitoring), in gene therapy, as antisense,	
CC	triplex-forming or ribozyme therapeutics, for detecting related sequences	
CC	or genetic variations, and for chromosomal mapping. HSP are also used to	
CC	raise specific antibodies (Ab) and to screen for agonists and	
CC	antagonists (potential therapeutic agents). Ab are used to diagnose, or	
CC	monitor, HSP-related diseases (in usual immunoassays), as therapeutic	
CC	antagonists, in competitive drug screens, and for purification of HSP	
CC	from natural sources.	
XX		
SO	Sequence 311 AA;	
Query Match	99.3%; Score 1640; DB 21; Length 311;	
Best Local Similarity	99.4%; Pred. No. 1, 1e-136;	
Matches 309; Conservative	1; Mismatches 1; Indels 0; Gaps 0	
QY	1 MGVPALTAGSKRWGSLFLPALTLAASLGVAAFKATPYSLYCPGQNVTLTCRLLGAV	60
DB	1 MGVPAPAPAGASWRWSSLLFLPALTAASLGVAFAFKATPYSLYCPGQNVTLTCRLLGAV	60
QY	61 DKGHVTPKTKMYTSSRGVQTCSERRPFRNTLPQDLHHGHQAANTSHLAQHGHE	120
DB	61 DKGHVTVTKTKMYRSSRGVQTCSERRPFRNTLPQDLHHGHQAANTSHLAQHGHE	120
QY	121 SASDHGNGFSITMRNLITLDSGLYCLLVEIRHHSEHVRHGMELQVOTGDAFNSCV	180
DB	121 SASDHGNGFSITMRNLITLDSGLYCLLVEIRHHSEHVRHGMELQVOTGDAFNSCV	180
QY	181 YPSSQDSSENTTAALATAGTIVGIIICPLILLVYKQQAASNRDAQELVMDNSIQSI	240
DB	181 YPSSQDSSENTTAALATAGTIVGIIICPLILLVYKQQAASNRDAQELVMDNSIQSI	240
QY	241 ENPGFEASPPAGCIEAKVRHPLSYAQQQPSBSGHHLSFSTPLSPGPGDVPFPPSD	300
DB	241 ENPGFEASPPAGCIEAKVRHPLSYAQQQPSBSGHHLSFSTPLSPGPGDVPFPPSD	300

RESULT 8
ABG70193
ID ABG70193 standard; Protein; 193 AA.
AC ABG70193;
XX
XX 21-OCT-2002 (first entry)
DE Human prey protein for Shigella ipah9.8 #23.
XX
XX Prey protein; ospB, ospD, ipad, ipac, ipah9.8; ospG,
KW ospC; Shigella; shigellosis; bacillary dysentery; antibacterial;
KM yeast two-hybrid system; protein-protein interaction; SID;
selected interacting domain; human.
XX
XX Homo sapiens.
FN WO200257303-A2.
PD 25-JUL-2002.
PE 11-JAN-2002; 2002WO-EP00777.
PR 12-JAN-2001; 2001US-261130P.
PS (HYBR-) HYBRIGENICS.
PT Legrain P;
DR WP1; 2002-599706/64.
DR N-PSDB; ABS51586.
XX
XX New complex of protein-protein interactions between a bait Shigella
flexneri polypeptide and a prey mammalian or human placenta polypeptide
for treating or preventing bacillary dysentery in a mammal or human -
Claim 7; Page 124; 162pp; English.

The invention relates to a complex of protein-protein interactions
between a Shigella flexneri polypeptide (e.g. ospB, ospD, ipad, ipac,
ipah9.8, ospG and ospC) and a mammalian polypeptide defined in the
specification. The complexes are formed using the yeast two-hybrid
system. Also included are (1) a recombinant host cell expressing the
interactions between the Shigella flexneri polypeptide and a mammalian
polypeptide defined in the specification; (2) selecting a modulating
compound that inhibits or activates the protein-protein interactions;
(3) a modulating compound obtained from the method of (2); (4) a SID
(selected interacting domain) polypeptide or its fragment or variant
comprising the human polypeptides appearing as ABG70042-ABG70242;
(5) a SID polynucleotide or its fragment or variant comprising
encoding the above polypeptides a vector comprising (5);
(6) a recombinant host cell containing the vector; and (10) a protein
chip comprising Shigella flexneri polypeptide and a mammalian polypeptide
defined in the specification. A pharmaceutical composition comprising the
compound, polypeptide or polynucleotide is useful for treating or
preventing shigellosis (bacillary dysentery) in a human or mammal.
The present sequence represents a human prey protein isolated by the
yeast two-hybrid assay, forming a complex of the invention with a
Shigella protein.

Sequence 193 AA;
XX
XX

Query Match 62.4%; Score 1030; DB 23; Length 193;
Best Local Similarity 100.0%; Pred. No. 5,1e-83;
Matches 193; Conservative 0; Mismatches 0; Indels 0; Gaps 0

31 AAFVATPVSYLYVCPEGQNTLTCLRLGGVDKGDVTFFYKTMYRSSRGGEVOVTCSERRRPIR 90

```

Db      1  AAFKATPTSYLYVCEGQNTLTCLLPGVDGKHGVTFYKTYWSSRSRGEVOTCSERRR 60
QY      91  NITPDLLHGHGHOAANTSHDLAQRHGESADHGHGNSITMRULTLDSGLYCCLAVE 150
Db      61  NITPDLLHGHGHOAANTSHDLAQRHGESADHGHGNSITMRULTLDSGLYCCLAVE 120
QY      151  IRHHSERHVGAMELQVOTGKDAFNSCVVYSSQDSSENTTAAALATGACTVGLTCLPL 210
Db      121  IRHHSERHVGAMELQVOTGKDAFNSCVVYSSQDSSENTTAAALATGACTVGLTCLPL 180
QY      211  ILLVYKOROAAS 223
Db      181  ILLVYKOROAAS 193

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RESULT 9

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ABU11286
ID      ABU11286 standard; Protein; 179 AA.
XX
XX      ABU11286;
AC
XX      10-FEB-2003 (first entry)
DT
XX      CDNA encoding human cancer suppressing protein PF7827.
DE
XX      Human; cancer suppressing protein; cancer.
KM
XX      Homo sapiens.
OS
XX      CN1351081-A.
PN
XX      29-MAY-2002.
PD
XX      31-OCT-2000; 2000CN-0127102.
PE
XX      31-OCT-2000; 2000CN-0127102.
PR
XX      31-OCT-2000; 2000CN-0127102.
XX
XX      (SHAN-) SHANGHAI INST ONCOLOGY.
PA
XX
XX      Gu J;
PI
XX      WPI; 2002-609437/66.
DR
XX      N-PSDB; ABX34032.

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```

XX      New human protein with cancer cell growth suppressing function and a
PT      polynucleotide encoding it, for treating diseases, such as, cancer -
XX
XX      Claim 1; Page 31 (disclosure); 39pp; Chinese.
PS
XX
XX      This invention relates to the CDNA and protein sequences of a novel
CC      human protein with cancer suppressing function. The invention also
CC      comprises a method for preparing the polypeptide by recombination,
CC      and an application of the polypeptide in treating diseases such as
CC      cancer, etc. Also disclosed in an antagonist of the polypeptide and
CC      its medical action. The present sequence represents a cancer
CC      suppressing protein of the invention.
XX
XX
SQ      Sequence 179 AA;

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Query Match      56.4%; Score 931; DB 23; Length 179;
Best Local Similarity 99.4%; Pred. No. 2.7e-74;
Matches 178; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY      133  MERNLTLLDSGLYCCLVYRHHHSERHVGAMELQVOTGKDAFNSCVVYSSQDSSENT 192
Db      1  MERNLTLLDSGLYCCLVYRHHHSERHVGAMELQVOTGKDAFNSCVVYSSQDSSENT 60
QY      193  AALATGACTVGLTCLPLILLVYKOROAASNRRAQELVRMDSNIGIENPGFEASPPAQ 252
Db      61  AALATGACTVGLTCLPLILLVYKOROAASNRRAQELVRMDSNIGIENPGFEASPPAQ 120
QY      253  GIPEAKVRHPLSYVAORQPSGRHLLSEPTPLSPGPDGVFPFLDPVPSDFNFEVI 311

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```

Db      121  GIPEAKVRHPLSYVAORQPSGRHLLSEPTPLSPGPDGVFPFLDPVPSDFNFEVI 179

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RESULT 10

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ABG03875
ID      ABG03875 standard; Protein; 1509 AA.
XX
XX      ABG03875;
AC
XX      13-FEB-2002 (first entry)
DT
XX      Novel human diagnostic protein #3866.
DE
XX      Human; chromosome mapping; gene mapping; gene therapy; forensic;
KM      food supplement; medical imaging; diagnostic; genetic disorder.
XX
XX      Homo sapiens.
OS
XX      WO200175067-A2.
PN
XX      11-OCT-2001.
PD
XX      30-MAR-2001; 2001WO-US086631.
PE
XX      31-MAR-2000; 2000US-0540217.
PR
XX      23-AUG-2000; 2000US-0649167.
XX
XX      (HSE-) HSEBQ INC.
PA
XX      Drmanac RT, Liu C, Tang YT;
PI
XX      WPI; 2001-639362/73.
DR
XX      N-PSDB; AAS68062.

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```

XX      New isolated polynucleotide and encoded polypeptides, useful in
PT      diagnostics, forensic, gene mapping, identification of mutations
PT      responsible for genetic disorders or other traits and to assess
PT      biodiversity.
XX
XX      Claim 20; SEQ ID No 34234; 103pp; English.
PS
XX
XX      The invention relates to isolated polynucleotide (I) and
CC      polypeptide (II) sequences. (I) is useful as hybridisation probes,
CC      polymerase chain reaction (PCR) primers, oligomers, and for chromosome
CC      and gene mapping, and in recombinant production of (II). The
CC      polynucleotides are also used in diagnostics as expressed sequence tags
CC      for identifying expressed genes. (I) is useful in gene therapy techniques
CC      to restore normal activity of (II) or to treat disease states involving
CC      (II). (II) is useful for generating antibodies against it, detecting or
CC      quantitating a polypeptide in tissue, as molecular weight markers and as
CC      a food supplement. (II) and its binding partners are useful in medical
CC      imaging of sites expressing (II). (I) and (II) are useful for treating
CC      disorders involving aberrant protein expression or biological activity.
CC      The polypeptide and polynucleotide sequences have applications in
CC      diagnostics, forensic, gene mapping, identification of mutations
CC      responsible for genetic disorders or other traits to assess biodiversity
CC      and to produce other types of data and products dependent on DNA and
CC      amino acid sequences. ABG00010-ABG30377 represent novel human
CC      diagnostic amino acid sequences of the invention.
CC      Note: The sequence data for this patent did not appear in the printed
CC      specification, but was obtained in electronic format directly from WIPO
CC      at ftp.wipo.int/pub/published_pct_sequences.
XX
XX
SQ      Sequence 1509 AA;

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Query Match      53.8%; Score 889; DB 22; Length 1509;
Best Local Similarity 66.2%; Pred. No. 2.4e-63;
Matches 184; Conservative 14; Mismatches 38; Indels 42; Gaps 5;

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QY      28  GPVAAFKATPTSYLYVCEGQNTLTCLLPGVDGKHGVTFYKTYWSSRSRGEVOTCSERR 87
Db      23  GPVAAFKATPTSYLYVCEGQNTLTCLLPGVDGKHGVTFYKTYWSSRSRGEVOTCSERR 82

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QY 88 PIRNLTFODLHLHGHGHOANTSHDLAQRHGLSASDPHGNFTTMENTLTLDSGLYCC 147
 DB 83 PIRNLTFODLHLHGHGHOANTSHDLAQRHGLSASDPHGNFTTMENTLTLDSGLYCC 142
 QY 148 VVEIRHHSHRHVGAMELVQVQCKDAPSNVCVYPSSQOSE-----NITAAATAGCTV 203
 DB 143 VVEIRHHSHRHVGAMELVQVQCKDAPSNVCVYPSSQOSESNHGNFRHVSNGILMR 202
 QY 204 GILCLPLILLVYKORQASNRRAQELVRMDSNIOGIENGFEASPPAGGIPKAVRHPL 263
 DB 203 G-----PRLDREHSSHTLIYEAVNHHDGPPWRSVRRKRLROST 242
 QY 264 SYVAQ-----RQPSGSRHLSRPTPL 286
 DB 243 A-LAOWHTGTALDRKQVWFSRKPSCS--HLSKXLTDL 277

RESULT 11
 AAB88583 standard; Protein; 168 AA.

AC AAB88583;
 XX
 DT 04-JUN-2001 (first entry)
 XX
 DE Human hydrophobic domain containing protein clone HPI0727 #67.
 XX
 KW Human; hydrophobic domain; immunosuppressant; anti-HIV; neuroprotective;
 KW antineutrophilic; anti-ulcer; osteoporosis; multiple sclerosis;
 KW cytotoxic; gene therapy; autoimmune disorder; multiple sclerosis;
 KW HIV infection; anaemia; burn; ulcer; osteoporosis; tumour; wound healing;
 KW inflammatory bowel disease; nutritional supplement; appetite; vaccine;
 KW behavioural characteristic; immune response.
 XX
 OS Homo sapiens.
 XX
 PN WO200112660-A2.
 XX
 PD 22-FEB-2001.
 XX
 PF 10-AUG-2000; 2000MO-JP05356.
 XX
 PR 17-AUG-1999; 99JP-0230344.
 PR 07-SEP-1999; 99JP-0252551.
 PR 01-OCT-1999; 99JP-0281132.
 PR 22-OCT-1999; 99JP-0301634.
 PR 04-NOV-1999; 99JP-0313877.
 XX
 PA (SAGA) SAGAMI CHEM RES CENT.
 PA (PROT-) PROTEGENE INC.
 XX
 PI Kato S, Kimura T;
 XX
 DR WPI; 2001-160059/16.
 XX
 N-PSDB; AAF94463.
 XX
 PT Human proteins with hydrophobic domains and the DNAs which encode them
 PT are useful for treating autoimmune disorders, burns and tumors and for
 PT screening novel pharmaceuticals -
 XX
 XX Claim 1; Page 358-359; 518pp; English.
 XX
 CC AAF94417 to AAF94516 encode the human proteins given in AAB88557 to
 CC AAB88606 (I) which have a hydrophobic domain. (I) have immunosuppressant,
 CC anti-HIV, neuroprotective, antineutrophilic, anti-ulcer, osteoporosis,
 CC osteoporosis, anti-inflammatory and cytotoxic activities, and can be
 CC used in gene therapy. (I) can be used as pharmaceuticals and as antigens
 CC to prepare antibodies. DNA and cDNA (II) encoding (I) can be used as
 CC probes for genetic diagnosis and gene sources for gene therapy or for
 CC producing (I) in large quantities. Cells containing (II) are used for
 CC the detection of ligands or receptors corresponding to membrane or
 CC secretory proteins and to screen small molecule novel pharmaceuticals.

CC Antibodies directed to (I) can be used for the detection, quantification
 CC and purification of (I). Activities of (I) may include cytokine and cell
 CC proliferation/differentiation function, immune stimulating or suppressing
 CC activity, haematopoiesis regulating activity, tissue growth activity.
 CC CC activity/inhibin activity, chemotactic/chemokinetic activity, haemostatic
 CC and thrombolytic activity, receptor/ligand activity and anti-inflammatory
 CC activity. (I) and (II) can be used to treat autoimmune disorders e.g.
 CC multiple sclerosis, HIV infections, anaemia, burns, ulcers, osteoporosis,
 CC inflammatory bowel disease and tumours. (I) and (II) can also be used for
 CC wound healing, as nutritional sources or supplements e.g. as amino acid,
 CC carbon or nitrogen source, to effect metabolism, catabolism, anabolism,
 CC processing and utilisation of dietary fat, protein, carbohydrate,
 CC vitamins and minerals, to effect behavioural characteristics, to affect
 CC appetite, and can act as antigens in vaccines to raise an immune response
 CC to the protein or another material cross-reactive with the protein.
 XX

SO Sequence 168 AA;
 Query Match 47.5%; Score 783.5; DB 22; Length 168;
 Best Local Similarity 53.7%; Pred. No. 2.7e-61;
 Matches 167; Conservative 1; Mismatches 0; Indels 143; Gaps 1;

QY 1 MGVPTALEGSRWMSLPLFLAASIGPVAFAKATPRLVCEBGVNTLCRLGV 60
 DB 1 MGVPTALEGSRWMSLPLFLAASL----- 27
 QY 61 DKGHVTFYKTVYRRSGEVQTSERRPIRNLTFODLHLHGHGHOANTSHDLAQRHGL 120
 DB 28 ----- 27
 QY 121 SASDHHGNFTTMRNLTLDSGLYCCVLEIRHHSHRHVGAMELVQVQCKDAPSNVCV 180
 DB 28 -----GDAFSNCV 37
 QY 181 YPSSGDSSENITAAATAGCTVIGLCLPLILLVYKORQASNRRAQELVRMDSNIOGI 240
 DB 38 YPSSGDSSENITAAATAGCTVIGLCLPLILLVYKORQASNRRAQELVRMDSNIOGI 97
 QY 241 ENPGFEASPPAGGIPKAVRHPLSYVAORQPSGSRHLSRPTPLPPGPDVFPSSLD 300
 DB 98 ENPGFEASPPAGGIPKAVRHPLSYVAORQPSGSRHLSRPTPLPPGPDVFPSSLD 157
 QY 301 PVPDSNFEVI 311
 DB 158 PVPDSNFEVI 168

RESULT 12
 AAB40620 standard; Protein; 110 AA.
 ID AAB40620;
 AC AAB40620;
 XX
 DT 08-FEB-2001 (first entry)
 XX
 DE Human ORFX ORF384 polypeptide sequence SEQ ID NO:768.
 XX
 KW Human; open reading frame; ORFX; detection; cytotoxic; hepatotropic;
 KW vullerary; antipneumatic; antiparkinsonian; neurotrophic; neuroprotective;
 KW anticonvulsant; osteoporosis; antiarthritic; immunosuppressant; cardiac;
 KW immunostimulant; thrombolytic; coagulant; vasotropic; antidiabetic;
 KW hypotensive; dermatological; immunosuppressive; antineoplastic;
 KW antiviral; antibacterial; antifungal; antineutrophilic; antithyroid;
 KW antineutrophilic; gene therapy; cancer; proliferative disorder; hypertension;
 KW neurodegenerative disorder; osteoarthritis; graft vs host disease;
 KW cardiovascular disease; diabetes mellitus; hypothyroidism; SCID; AIDS;
 KW cholesterol ester storage; systemic lupus erythematosus; infection;
 KW severe combined immunodeficiency; malaria; autoimmune disorder; asthma;
 KW allergy; aplastic anaemia; nocturnal haemoglobinuria; burn; wound;
 KW bone damage; cartilage damage; antiinflammatory disease; coagulation;
 KW thrombosis; contraceptive.
 XX
 OS Homo sapiens.

122 630
 122 228
 01/540 303

W0 00/58473
 60/122602 - 3/31/99

XX WO200058473-A2.
 XX 05-OCT-2000.
 XX 31-MAR-2000; 2000WO-US08621.
 XX 31-MAR-1999; 99US-0127607.
 XX 02-APR-1999; 99US-0127636.
 XX 05-APR-1999; 99US-0127728.
 XX 30-MAR-2000; 2000US-0540763.
 XX (CURA-) CURAGEN CORP.
 XX Shinkens RA, Leach M;
 XX WPI, 2000-602362/57.
 XX N-PSDB; AAC74829.
 XX Novel nucleic acids and peptides derived from open reading frame X,
 XX useful for treating e.g. cancers, proliferative disorders,
 XX neurodegenerative disorders and cardiovascular disease -
 XX Claim 11, Page 839; 5507P; English.
 XX AAC74446 to AAC77606 encode the proteins given in AAB40237 to AAB43397,
 XX which represent the human ORFX open reading frames 1 to 3161. The ORFX
 XX sequences have activities such as: cytostatic; hepatotropic; vulnery;
 XX antiproliferative; antiparkinsonian; nootropic; neuroprotective;
 XX osteoplastic; anticonvulsant; anticholinergic; immunosuppressive;
 XX immunostimulant; cardiant; thrombolytic; coagulant; vasotrophic;
 XX antidiabetic; hypotensive; dermatological; immunosuppressive;
 XX antiinflammatory; antibacterial; antiviral; antifungal; antineumatic;
 XX antihypertensive; and antianemic. The sequences can be used for determining
 XX the presence of or predisposition to, or preventing or treating
 XX pathological conditions associated with an ORFX-associated disorder. The
 XX nucleic acids can be used to express ORFX proteins in gene therapy
 XX vectors. The proteins and nucleic acids may be used to treat cancers,
 XX proliferative disorders, neurodegenerative disorders, osteoarthritis,
 XX graft vs host disease, cardiovascular disease, diabetes mellitus,
 XX hypertension, hypothyroidism, cholesterol ester storage, systemic lupus
 XX erythematosus, severe combined immunodeficiency (SCID), AIDS, viral,
 XX bacterial or fungal infection, malaria, autoimmune disorders, asthma,
 XX allergies, aplastic anaemia, burns, wounds, bone and cartilage damage,
 XX nocturnal haemoglobinuria, antiinflammatory disease; to enhance
 XX coagulation; to inhibit thrombosis; and as a contraceptive.
 XX Sequence 110 AA;
 XX SQ
 XX Query Match 35.7%; Score 589; DB 21; Length 110;
 XX Best Local Similarity 99.1%; Pred. No. 2.5e-44;
 XX Matches 109; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX QY 1 MGVPTLXGSMWMSLPLPLAASLGPAAKATPPSYLYCPGQNTLTCRLGV 60
 XX 1 MGVPTLXGSMWMSLPLPLAASLGPAAKATPPSYLYCPGQNTLTCRLGV 60
 XX DB 1 MGVPTLXGSMWMSLPLPLAASLGPAAKATPPSYLYCPGQNTLTCRLGV 60
 XX QY 61 DKGHDTFYKWTWRSRGVQTCSEKRPINLTFODLHGHGHQANNTS 110
 XX 61 DKGHDTFYKWTWRSRGVQTCSEKRPINLTFODLHGHGHQANNTS 110
 XX DB 61 DKGHDTFYKWTWRSRGVQTCSEKRPINLTFODLHGHGHQANNTS 110
 XX RESULT 13
 XX AA36634
 XX ID AA36634 standard; Protein; 177 AA.
 XX AC AA36634;
 XX AC AA36634;
 XX DT 17-SEP-1999 (first entry)
 XX DE Fragment of human secreted protein encoded by gene 49.
 XX XX Human; secreted protein; cancer; tumour; developmental abnormality;

KW foetal deficiency; blood disorder; immune system disorder; inflammation;
 KW autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;
 KW schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;
 KW atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;
 KW digestive disorder; endocrine disorder; infection; AIDS.
 KW Homo sapiens.
 XX MO9931117-A1.
 XX 24-JUN-1999.
 XX 17-DEC-1998; 98WO-US27059.
 XX 19-DEC-1997; 97US-0068369.
 XX 18-DEC-1997; 97US-0068006.
 XX 18-DEC-1997; 97US-0068007.
 XX 18-DEC-1997; 97US-0068008.
 XX 18-DEC-1997; 97US-0068053.
 XX 18-DEC-1997; 97US-0068054.
 XX 18-DEC-1997; 97US-0068057.
 XX 18-DEC-1997; 97US-0068064.
 XX 18-DEC-1997; 97US-0070923.
 XX 19-DEC-1997; 97US-0068169.
 XX 19-DEC-1997; 97US-0068365.
 XX 19-DEC-1997; 97US-0068367.
 XX 19-DEC-1997; 97US-0068368.
 XX (HUMA-) HUMAN GENOME SCI INC.
 XX Carter KC, Duan RD, Feng P, Ferrie AM, Florence C;
 XX Florence K, Greene JM, Janat P, Kyaw H, Moore PA, Y;
 XX Ni J, Rosen CA, Ruben SM, Shi Y, Soppet DR, Wei Y;
 XX Yu G;
 XX WPI, 1999-418749/35.
 XX New isolated human genes encoding secreted polypeptides
 XX Disclosure; Page 506; 537P; English.
 XX AA397916 to AA398029 represent 110 isolated human secreted protein
 XX genes. AA396224 to AA396722 represent the secreted proteins encoded by
 XX the 110 human genes. The genes and their corresponding secreted
 XX polypeptides are useful for preventing, treating or ameliorating medical
 XX conditions, e.g. by protein or gene therapy. Also pathological conditions
 XX can be diagnosed by determining the amount of the new polypeptides in a
 XX sample or by determining the presence of mutations in the new genes.
 XX Specific uses are described for each of the 110 genes, based on which
 XX tissues they are most highly expressed in, and include developing
 XX products for the diagnosis or treatment of cancer, tumours, developmental
 XX abnormalities and foetal deficiencies, blood disorders, diseases of the
 XX immune system, autoimmune diseases, inflammation, allergies, Alzheimer's
 XX and cognitive disorders, schizophrenia, arthritis, asthma, psoriasis,
 XX sepsis, skin disorders, atherosclerosis, diabetes, cardiovascular
 XX disorders, kidney disorders, digestive/endocrine disorders, infections
 XX and AIDS. The polypeptides are also useful for identifying their binding
 XX partners. The sequences given in AA397907 to AA397915 and AA396223 are
 XX used in the exemplification of the present invention.
 XX SQ Sequence 177 AA;
 XX Query Match 33.7%; Score 556; DB 20; Length 177;
 XX Best Local Similarity 100.0%; Pred. No. 3.9e-41;
 XX Matches 107; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX QY 205 ILCLPLILLYVKQQAASNRRAQELVMDNSIQIENPGEASPPAGIIPAKYRHPIS 264
 XX 53 ILCLPLILLYVKQQAASNRRAQELVMDNSIQIENPGEASPPAGIIPAKYRHPIS 112
 XX DB 265 YVAKRQPSBSGRHLSRSTPLSPGPDVFPSPIDVPVDSNFEVI 311
 XX 113 YVAKRQPSBSGRHLSRSTPLSPGPDVFPSPIDVPVDSNFEVI 159

RESULT 14
AAV36272
ID AAV36272 standard; Protein; 174 AA.
XX
AC AAV36272;
XX
DT 17-SEP-1999 (first entry)
XX
DE Human secreted protein encoded by gene 49.
XX
KW Human; secreted protein; cancer; tumour; developmental abnormality;
KW foetal deficiency; blood disorder; immune system disorder; inflammation;
KW autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;
KW schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;
KW atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;
KW digestive disorder; endocrine disorder; infection; AIDS.
XX
OS Homo sapiens.
XX
PN MO9931117-A1.
XX
PD 24-JUN-1999.
XX
PF 17-DEC-1998; 98WO-US27059.
XX
PR 19-DEC-1997; 97US-0068369.
XX
PR 18-DEC-1997; 97US-0068006.
XX
PR 18-DEC-1997; 97US-0068007.
XX
PR 18-DEC-1997; 97US-0068008.
XX
PR 18-DEC-1997; 97US-0068053.
XX
PR 18-DEC-1997; 97US-0068054.
XX
PR 18-DEC-1997; 97US-0068057.
XX
PR 18-DEC-1997; 97US-0068064.
XX
PR 18-DEC-1997; 97US-0070923.
XX
PR 19-DEC-1997; 97US-0068169.
XX
PR 19-DEC-1997; 97US-0068365.
XX
PR 19-DEC-1997; 97US-0068367.
XX
PR 19-DEC-1997; 97US-0068368.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Carter KC, Duan RD, Feng P, Ferrie AM, Florence C;
PI Florence K, Greene JM, Janat F, Kyaw H, Moore PA;
PI M J, Rosen CA, Ruben SM, Shi Y, Soppet DR, Wei Y;
PI Yu G;
XX
DR WPI; 1999-418749/35.
XX
DR N-PSDB; AAV37964.
XX
PT New isolated human genes encoding secreted polypeptides
XX
PS Claim 11; Page 372; 537pp; English.
XX
CC AAV37916 to AAV38029 represent 110 isolated human secreted protein
CC genes. AAV36224 to AAV36727 represent the secreted proteins encoded by
CC the 110 human genes. The genes and their corresponding secreted
CC polypeptides are useful for preventing, treating or ameliorating medical
CC conditions, e.g. by protein or gene therapy. Also pathological conditions
CC can be diagnosed by determining the amount of the new polypeptides in a
CC sample or by determining the presence of mutations in the new genes.
CC Specific uses are described for each of the 110 genes, based on which
CC tissues they are most highly expressed in, and include developing
CC products for the diagnosis or treatment of cancer, tumours, developmental
CC abnormalities and foetal deficiencies, blood disorders, diseases of the
CC immune system, autoimmune diseases, inflammation, allergies, Alzheimer's
CC and cognitive disorders, schizophrenia, arthritis, asthma, psoriasis,
CC sepsis, skin disorders, atherosclerosis, diabetes, cardiovascular
CC disorder, kidney disorders, digestive/endocrine disorders, infections
CC and AIDS. The polypeptides are also useful for identifying their binding
CC partners. The sequences given in AAV37907 to AAV37915 and AAV36223 are
CC used in the exemplification of the present invention.

XX
SQ Sequence 174 AA;
XX
Query Match 8.2%; Score 136; DB 20; Length 174;
Best Local Similarity 87.5%; Pred. No. 0.00055;
Matches 28; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 MGVPFALBAGSWRWGSLFALFLAASLGPVAA 32
DB 1 MGVPFAPBAGSWRWGSLFALFLAASLDITPA 32
RESULT 15
AAV3636
ID AAV3636 standard; Protein; 25 AA.
XX
AC AAV3636;
XX
DT 17-SEP-1999 (first entry)
XX
DE Fragment of human secreted protein encoded by gene 49.
XX
KW Human; secreted protein; cancer; tumour; developmental abnormality;
KW foetal deficiency; blood disorder; immune system disorder; inflammation;
KW autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;
KW schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;
KW atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;
KW digestive disorder; endocrine disorder; infection; AIDS.
XX
OS Homo sapiens.
XX
PN MO9931117-A1.
XX
PD 24-JUN-1999.
XX
PF 17-DEC-1998; 98WO-US27059.
XX
PR 19-DEC-1997; 97US-0068369.
XX
PR 18-DEC-1997; 97US-0068006.
XX
PR 18-DEC-1997; 97US-0068007.
XX
PR 18-DEC-1997; 97US-0068008.
XX
PR 18-DEC-1997; 97US-0068053.
XX
PR 18-DEC-1997; 97US-0068054.
XX
PR 18-DEC-1997; 97US-0068057.
XX
PR 18-DEC-1997; 97US-0068064.
XX
PR 18-DEC-1997; 97US-0070923.
XX
PR 19-DEC-1997; 97US-0068169.
XX
PR 19-DEC-1997; 97US-0068365.
XX
PR 19-DEC-1997; 97US-0068367.
XX
PR 19-DEC-1997; 97US-0068368.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Carter KC, Duan RD, Feng P, Ferrie AM, Florence C;
PI Florence K, Greene JM, Janat F, Kyaw H, Moore PA;
PI M J, Rosen CA, Ruben SM, Shi Y, Soppet DR, Wei Y;
PI Yu G;
XX
DR WPI; 1999-418749/35.
XX
PT New isolated human genes encoding secreted polypeptides
XX
PS Disclosure; Page 507; 537pp; English.
XX
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CC genes. AAV36224 to AAV36727 represent the secreted proteins encoded by
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CC abnormalities and foetal deficiencies, blood disorders, diseases of the
CC immune system, autoimmune diseases, inflammation, allergies, Alzheimer's
CC and cognitive disorders, schizophrenia, arthritis, asthma, psoriasis,
CC sepsis, skin disorders, atherosclerosis, diabetes, cardiovascular
CC disorders, kidney disorders, digestive/endocrine disorders, infections
CC and AIDS. The polypeptides are also useful for identifying their binding
CC partners. The sequences given in AAX97907 to AAX97915 and AAY36223 are
CC used in the exemplification of the present invention.

XX
SQ Sequence 25 AA;

Query Match 7.9%; Score 130; DB 20; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.00014;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 245 FEASPPAOGIPPAKVRHPLSYVAQR 269
|||
Db 1 FEASPPAOGIPPAKVRHPLSYVAQR 25

Search completed: January 9, 2004, 00:41:48
Job time : 73 secs